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OREGON VITAL STATISTICS

HEALTH DIVISION
OREGON DEPARTMENT OF HUMAN RESOURCES
1400 S.W. 5th Avenue
Portland, OR 97201

OREGON

VITAL STATISTICS

REPORT

FOR CALENDAR YEAR

1986

OREGON DEPARTMENT OF HUMAN RESOURCES
HEALTH DIVISION
HEALTH STATUS MONITORING
CENTER FOR HEALTH STATISTICS

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PREFACE

The Oregon Center for Health Statistics' annual report, Oregon Vital Statistics, presents data about birth, death, marriage, divorce, and morbidity. Narrative and graphics highlight a number of important demographic and public health issues. Readers can research their own areas of interest by using the data in seventy-eight tables and referring to the section "Technical Notes: How to Use Vital Statistics." While the Oregon Vital Statistics Report summarizes annual data, other reports go into more detail on specific issues. (Recent publications are listed on the back inside cover.)

The presentation of data in this book is only the final stage of a long process. The prompt and accurate recording of vital events is a complicated community service which receives little public recognition until an individual finds he or she has need of the records or the information they contain. The registration system serves two purposes. First, these vital documents are collected, kept safe, and made available to individuals and their families when needed for documentation of the events in which they were personally involved. Second, our complex society has a need to know about health and social changes occurring in our state. Vital Statistics has frequently been called "the eyes and ears of public health". In fact, it is the only organized system of health records covering the entire population. The collection is a highly cooperative endeavor in which a great many people play an important part.

Providers of Services

The providers of the services associated with vital events are the first people involved in the collection system. The birth attendant is responsible for completing both the legal document and the confidential, statistical section of the birth certificate. The death and fetal death certificate must be filed by the funeral director or person who first assumes responsiblity for the body. A physician completes the medical portion of these death certificates, except in the case of found bodies and unnatural deaths, which are certified by the medical examiner. Hospital medical records personnel also play an important role in assuring that all certificates are completed and accurate. These service providers then file the completed certificates with the county registrars in the county where the event occurred. Abortions and communicable diseases are treated differently. The providers of induced abortions file the completed statistical reports (which contain no identifying information) directly with the State Registrar. Physicians report cases of communicable diseases to the Disease Monitoring and Control section of the Health Division.

County Officials

The county registrars play an important role in assuring the completion and accuracy of the birth, death, and fetal death registration. They check the certificates against other sources of information to make certain no events are missed. They also follow-up any incomplete items before sending the certificates to the State Registrar at the Center for Health Statistics. The county clerks perform a similar function for marriage and divorce certificates.

Center for Health Statistics

At the state level, the staff of the Center for Health Statistics perform additional completeness and accuracy checks. A field representative makes contacts with providers and county registrars, and clerical staff send letters seeking additional information about causes of death, birthweight, and the status of very small babies. Coders and data entry personnel turn the information into computerized data, while microfilmers store the certificates so that certified copies can be made. The computerized statistical data is then retrieved by programmers, analyzed by researchers, and made available for demographic and public health needs.

Other States

Events relating to Oregon residents which occurred in another state are included in this report. The Centers for Health Statistics in each U.S. state and the Provinces of Canada have traditionally agreed to send copies of birth, death and fetal death certificates to the locality where the individual usually resided. A cooperative agreement is also in place for reports on induced termination of pregnancy (abortion), however, some states collect no resident information on these reports and therefore cannot participate in the exchange. There is no exchange program for marriage and divorce certificates.

Who among all these people is the vital recorder? The answer is -- all of them. The invisible person who records the major life events of our population is really many people who have all played important roles in presenting this report.

TABLE OF CONTENTS

Page
SECTION I QUICK REFERENCE 1
SECTION II NATALITY 13
SECTION III FETAL DEATHS 45
SECTION IV MORTALITY 53
SECTION V MARRIAGE AND DIVORCE 117
SECTION VI MORBIDITY 135
SECTION VII POPULATION 149
SECTION VIII TECHNICAL NOTES: HOW TO USE VITAL STATISTICS 155

FIGURES

Figure 1 Live Birth Rates, Oregon and U.S., 1945-1986 15
Figure 2 Rates of Inadequate Prenatal Care, Oregon and U.S., 1975-1986 17
Figure 3 Unwed Birth Ratios, Oregon and U.S., 1945-1986 18
Figure 4 Percent of Out-of-Hospital Births, Oregon and U.S., 1965-1986 19
Figure 5 Type of Delivery Attendant for Non-Hospital Oregon Births, 1980 vs. 1986 20
Figure 6 Fetal Deaths per 1,000 Live Births by Age of Woman, Oregon Residents, 1986 47
Figure 7 Perinatal Deaths per 1,000 live Births, Oregon Residents, 1975-1986 48
Figure 8 Age-Specific Death Rates and Causes, Oregon Residents, 1975-1986 56
Figure 9 Proportion of Deaths by Selected Age Groups, Oregon Residents, 1920-1986 57
Figure 10 Number of Male and Female Deaths by Age of Deceased, Oregon Residents, 1986 58
Figure 11 Distribution of Malignant Neoplasms by Sex and Site, Oregon, 1986 58
Figure 12 Total Death Rates, Heart Disease Death Rates, Malignant Neoplasm Death Rates, and Cerebrovascular Disease Death Rates, Oregon and USA, 1965-1986 60
Figure 13 Accident Death Rates and Chronic Obstructive Respiratory Disease Death Rates, Oregon and USA, 1965-1986 61
Figure 14 Percentage of Deaths by Cause and Age, Oregon Residents, 1986 62
Figure 15 Percentage Change in the Death Rates of the Ten Leading Causes of Death between 1980 and 1986, Oregon Residents 63
Figure 16 Median Age at Death for the Ten Leading Causes of Death, Oregon Residents, 1986 64
Figure 17 Number of AIDS Deaths by Age and Sex, Oregon Residents, 1986 66
Figure 18 The Ten Leading Causes of Death, Oregon Residents, 1986 68
Figure 19 The Ten Leading Causes of Years of Potential Life Lost, Oregon Residents, 1986 68
Figure 20 Neonatal Death Rates, Oregon and USA, 1975-1986 69
Figure 21 Postneonatal Death Rates, Oregon and USA, 1975-1986 70
Figure 22 Oregon Marriage and Divorce Rates, 1960-1986 119
Figure 23 Divorce to Marriage Ratio, 1975 to 1986, Oregon vs. U.S 120
Figure 24 First Marriage Rates for Brides and Grooms, Selected Age Groups, 1970, 1980 & 1986 121
Figure 25 Median Duration of Marriage Before Divorce, Oregon 1979-1986 122
Figure 26 1986 Oregon Divorces and Annulments Involving Children Under 18 Years Old 123
Figure 27 Cases of Acquired Immunodeficiency Syndrome Reported in Oregon, 1981-1986 138
Figure 28 Hepatitis A Cases in Oregon by Year of Report, 1978-1986 139
Figure 29 Hepatitis B Cases in Oregon by Year of Report, 1978-1986 139

SUMMARY TABLES

Table 1. Population, Live Births, Births to Unwed Mothers, Marriages and Dissolution of Marriages, U.S. 1945-1986 4
Table 2. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, Fetal Deaths, U.S. 1945-1986 5
Table 3. Population, Live Births, Births to Unwed Mothers, Marriages and Dissolution of Marriages, Oregon 1908-1986 6
Table 4. Deaths, Maternal Deaths, Infant Deaths, Neonatal Deaths, Fetal Deaths, Oregon 1908-1986 8
Table 5. Population, Live Births, Births to Unwed Mothers by County of Residence. Marriages and Dissolution of Marriages by County of Occurrence, Oregon, 1986 10
Table 6. Deaths, Infant Deaths, Neonatal Deaths, Fetal Deaths by County of Residence, Oregon 1986 11
Table 7. Population, Births and Deaths by City of Residence, Oregon 1986 12

NATALITY TABLES

Table 8. Age Specific Birth Rates, Fertility Rates, and Total Fertility Rates, Oregon 1940, 1950, 1960, 1970, 1975-1986 21
Table 9. Resident Births by Age Group of Mother, Oregon 1955-1986 22
Table 10. Resident Births by Race of Child, Oregon 1955-1986 23
Table 11. Resident Births by Age of Mother and by Birth Weight, Oregon 1986 24
Table 12. Resident Births to Unwed Mothers by Age of Mother and Birth Weight, Oregon 1986 24
Table 13. Births to Unwed Mothers by County of Residence, Oregon 1986 25
Table 14. Resident Births by Age of Mother and Live Birth Order, Oregon 1986 26
Table 15. Total Pregnancies by Type of Outcome and Age Groups, Oregon Residence, 1986 26
Table 16. Resident Births by Age Groups of Mother, Oregon 1986 27
Table 17. Resident Births to Unwed Mothers by Age Groups of Mother, Oregon 1986 28
Table 18. Resident Births by Sex and Race of Child, Oregon 1986 29
Table 19. Births by County of Occurrence by Type of Institution and by Delivery Attendant, Oregon 1986 30
Table 20. Low Birth Weight Infants by County of Residence, Oregon 1986 32
Table 21. Resident Births by Race of Child and Birth Weight, Oregon 1986 33
Table 22. Congenital Malformations Reported on Birth Certificate by County of Residence, Oregon 1986 34
Table 23. Total Births by County of Residence and Complications of Pregnancy, Oregon 1986 36
Table 24. Total Births by County of Residence and Concurrent Illness During Gestation, Oregon 1986 38
Table 25. Maternal Risk Factors by County of Residence, Oregon 1986 40
Table 26. Inadequate Prenatal Care by Mother's Age, Oregon 1986 41
Table 27. Inadequate Prenatal Care by Race, Oregon 1986 41
Table 28. Inadequate Prenatal Care by Mother's Education Oregon 1986 42
Table 29. Inadequate Prenatal Care by Birth Weight, Oregon 1986 42
Table 30. Inadequate Prenatal Care by County of Residence, Oregon 1986 43

FETAL DEATH TABLES

Table 31. Fetal Deaths by Weeks of Gestation and Cause of Death, Oregon 1986 50
Table 32. Fetal Deaths by Weeks of Gestation and Age of Mother, Oregon 1986 51
Table 33. Fetal Deaths by Age of Mother and County of Residence, Oregon 1986 52

MORTALITY TABLES

Table 34. Age Specific Death Rates by Sex, Oregon 1940, 1950, 1960, 1970, 1975-1986.... 71
Table 35. Selected Leading Causes of Death with Rates, Oregon Residents 1965-1986...... 72
Table 36. Leading Causes of Death by Rank Order for Males and Females, Oregon 1986..... 73
Table 37. The Five Principal Causes of Death by Age Groups, Oregon Residents, 1986..... 74
Table 38. Age Specific Death Rates by Sex for the Leading Causes of Death, Oregon 1986 76
Table 39. Death by Marital Status, Sex and Age Groups, Oregon 1986........ 78
Table 40. Resident Deaths for Selected Causes by Age and Sex, Oregon 1986........ 79
Table 41. Resident Deaths Due to or Mentioning External Factors, Oregon 1986........ 91
Table 42. Resident Deaths from Suicide, Homicide, External Causes Undetermined Whether Accidentally or Purposely Inflicted by Age, Sex and Method, Oregon 1986...... 92
Table 43. Resident Accidental Deaths by Type or Source of Injury, Age Groups and Sex, Oregon 1986........ 93
Table 44. Deaths Occurring in Oregon by Type of Accident and by Age Groups 1986........ 94
Table 45. Infant, Neonatal and Post-Neonatal Deaths, by Maternal Risk Factors and Infant Characteristics for Oregon Residents at Birth 1986........ 95
Table 46. Resident Infant Deaths by Cause and Age at Death, Oregon 1986........ 96
Table 47. Infant Deaths by County of Residence and Age at Time of Death, Oregon 1986... 97
Table 48. Deaths by County of Residence by Age Groups and Sex, Oregon 1986........ 98
Table 49. Leading Causes of Death by County of Residence of Deceased, Oregon 1986...... 100
Table 50. Deaths by County of Residence by Sex and Race, Oregon 1986........ 102
Table 51. Accidental Deaths by Principal Classes and County Accident, 1986........ 103
Table 52. All Deaths and Medical Examiner's Cases by County of Occurrence and Autopsy, Oregon 1986........ 104
Table 53. Deaths Occurring in Oregon by County of Residence and Disposal of Remains 1986........ 105
Table 54. Deaths by Selected Causes with Rates for Oregon and Selected Cities, Oregon 1986........ 106
Table 55. Deaths by Selected Causes with Rates by County of Residence, Oregon 1986..... 107
Table 56. Deaths by Selected Causes with Rates by Race, Oregon 1986........ 116

MARRIAGE AND DIVORCE TABLES

Table 57. Dissolution of Marriages and Annulments by Number of Minor Children (Under 18) Affected, Oregon 1986........ 124
Table 58. Marriages and Divorces by Month of Occurrence, Oregon 1986........ 124
Table 59. Marriages by Age Groups and Previous Marital Status of Groom, Oregon 1986.... 125
Table 60. Marriages by Age Groups and Previous Marital Status of Bride, Oregon 1986.... 125
Table 61. All Marriages and First Marriages for Both Bride and Groom by Age Groups, Oregon 1986........ 126
Table 62. Marriages by County of Occurrence by Age Groups of Bride, Oregon 1986........ 127
Table 63. Marriages by County of Occurrence by Age Groups of Groom, Oregon 1986........ 128
Table 64. Dissolution of Marriages and Annulments by Age of Husband and Wife and Duration of Marriage, Oregon 1986........ 129
Table 65. Dissolution of Marriages and Annulments by Age of Husband and Wife and Order of Marriage, Oregon 1986........ 130
Table 66. Dissolution of Marriages by County of Occurrence, By Age Groups of Wife, Oregon 1986........ 131
Table 67. Dissolution of Marriages by County of Occurrence by Age Groups of Husband, Oregon 1986........ 132
Table 68. Dissolution of Marriages and Annulments by Duration of Marriage and Order of Marriage for Husband and Wife, Oregon 1986........ 133
Table 69. Dissolution of Marriages and Annulments by State or Region Where Marriage Occurred by Duration of Marriage, Oregon 1986........ 134

MORBIDITY TABLES

Table 70. Reported Cases of Gonorrhea by Sex and Age Groups, Oregon 1980-1986.......... 141

Table 71. Reported Cases of Syphilis by Age Groups and Year, Oregon 1979-86............ 142

Table 72. Reported Cases with Rates of Syphilis and Gonorrhea by Year, Oregon 1945-1986........ 143

Table 73. Reported Cases of Syphilis and Gonorrhea by County of Residence and by Type of Infection, Oregon 1986........ 144

Table 74. Reported Tuberculosis Cases and Deaths with Rates, Oregon 1950-1986.......... 145

Table 75. Cases of Reportable Diseases by Month of Report, Oregon 1986................. 146

Table 76. Cases of Reportable Diseases by County of Residence, Oregon 1986............. 147

POPULATION TABLES

Table 77. Population Distribution by Age and Sex, Oregon 1950, 1960, 1970, 1975, 1978-1986........ 151

Table 78. Preliminary Estimates of 5 Year Age Groups By Sex, Oregon and its Counties: July 1, 1986........ 152

TECHNICAL NOTES

Definitions........ 157

Step-by-Step Instructions........ 159

Formulas........ 167

QUICK REFERENCE

SUMMARY OF OREGON'S VITAL EVENTS, 1986

POPULATION	2,659,500	Population decreased 0.6 percent.
LIVE BIRTHS Number Crude Rate Fertility Rate	Residents 38,850 14.6 61.9	Number and rates down for sixth year in row even after adjusting for number of women in childbearing years.
DEATHS Number Rate	Residents 23,328 8.8	Both the number of deaths and rate decreased slightly.
MARRIAGES Number Rate	Occurrence 22,015 8.3	Marriages down in both number and rate.
DISSOLUTION OF MARRIAGES Number Rate	Occurrence 15,774 5.9	Number of divorces increased slightly over 1985 figure. Divorce rate remained stable.
UNWED MOTHERS Number Rate	Residents 7,999 205.9	Number of unwed mothers increased. Proportion of unwed mothers to total births highest ever.
LOW-BIRTH WEIGHT INFANTS Number Rate	Residents 1,993 51.3	Number of low-birth weight infants decreased. Rate remained stable.
INFANT DEATHS Number Rate	Residents 368 9.5	Number and rate decreased slightly.
NEONATAL DEATHS Number Rate	Residents 183 4.7	Both the number and rate decreased.
MATERNAL DEATHS Number Ratio	Residents 4 10.3	Oregon's average maternal death rate for five years compares unfavorably with U.S. rate.
INDUCED ABORTIONS Number Ratio	Occurrence 11,217 279.8	Decline continued after a slight jump in 1984 when mandatory reporting was legislated.

Crude birth, death, marriage, and dissolution of marriage rates are per 1,000 population; fertility rate per 1,000 15-44 year-old females; unwed mother ratio, low birth weight rate, and infant and neonatal deaths rates, per 1,000 live resident births; maternal death ratio per 100,000 live resident births; induced abortion ratio per 1,000 live occurrence births.

TABLE 1. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DISSOLUTION OF MARRIAGES, U.S., 1945-1986

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1945	132,481,000	2,735,456	20.6	117,400	42.9	1,612,992	12.2	485,000	3.5
1946	140,054,000	3,288,672	23.5	125,200	38.1	2,291,045	16.4	610,000	4.3
1947	143,446.000	3,699,940	25.8	131,900	35.7	1,991,878	13.9	483,000	3.4
1948	146,093,000	3,535,068	24.2	129,700	36.7	1,811,155	12.4	408,000	2.8
1949	148,665,000	3,559,529	23.9	133,200	37.4	1,579,798	10.6	397,000	2.7
1950	150,697,361	3,554,149	23.6	141,600	39.8	1,667,231	11.1	385,144	2.6
1951	153,310,000	3,750,850	24.5	146,500	39.1	1,594,694	10.4	381,000	2.5
1952	155,687,000	3,846,986	24.7	150,300	39.1	1,539,318	9.9	392,000	2.5
1953	158,242,000	3,902,120	24.7	160,800	41.2	1,546,000	9.8	390,000	2.5
1954	161,164,000	4,017,362	24.9	176,600	44.0	1,490,000	9.2	379,000	2.4
1955	164,308,000	4,047,295	24.6	183,300	45.3	1,531,000	9.3	377,000	2.3
1956	167,306,000	4,163,090	24.9	193,500	46.5	1,585,000	9.5	382,000	2.3
1957	170,371,000	4,254,784	25.0	201,700	47.4	1,518,000	8.9	381,000	2.2
1958	173,320,000	4,203,812	24.3	208,700	49.6	1,451,000	8.4	368,000	2.1
1959	176,513,000	4,244,796	24.0	220,600	52.0	1,494,000	8.5	395,000	2.2
1960	179,323,175	4,257,850	23.7	224,300	52.7	1,523,000	8.5	393,000	2.2
1961	183,057,000	4,268,326	23.3	240,200	56.3	1,548,000	8.5	414,000	2.3
1962	185,890,000	4,167,362	22.4	245,000	58.8	1,577,000	8.5	413,000	2.2
1963	188,658,000	4,098,020	21.7	259,400	63.3	1,654,000	8.8	428,000	2.3
1964	191,371,000	4,027,490	21.0	275,700	68.5	1,725,000	9.0	450,000	2.4
1965	193,818,000	3,760,358	19.4	291,200	77.4	1,800,000	9.3	479,000	2.5
1966	195,857,000	3,606,274	18.4	302,400	83.9	1,857,000	9.5	499,000	2.5
1967	197,863,000	3,520,959	17.8	318,100	90.3	1,927,000	9.7	523,000	2.6
1968	199,861,000	3,501,564	17.6	339,200	96.9	2,069,000	10.4	584,000	2.9
1969	201,921,000	3,600,206	17.9	360,800	100.2	2,145,000	10.6	639,000	3.2
1970	203,211,926	3,731,368	18.4	398,700	106.9	2,158,802	10.6	708,000	3.5
1971	206,212,000	3,555,970	17.2	401,400	112.9	2,190,481	10.6	773,000	3.7
1972	209,284,000	3,258,411	15.6	403,200	123.7	2,282,154	10.9	845,000	4.0
1973	211,357,000	3,136,965	14.8	407,300	129.8	2,284,108	10.8	915,000	4.3
1974	213,342,000	3,159,958	14.8	418,100	132.3	2,229,667	10.5	977,000	4.6
1975	215,465,000	3,144,198	14.6	447,900	142.5	2,152,662	10.0	1,036,000	4.8
1976	217,563,000	3,167,788	14.6	468,100	147.8	2,154,807	9.9	1,083,000	5.0
1977	219,760,000	3,326,632	15.1	515,700	155.0	2,178,367	9.9	1,091,000	5.0
1978	222,095,000	3,333,279	15.0	543,900	163.2	2,282,272	10.3	1,130,000	5.1
1979	224,567,000	3,494,398	15.6	597,800	171.1	2,331,337	10.1	1,181,000	5.3
1980	226,504,825	3,612,258	15.9	665,747	184.3	2,390,252	10.6	1,189,000	5.2
1981	230,339,000	3,629,238	15.8	686,605	189.2	2,422,145	10.6	1,213,000	5.3
1982	231,500,000	3,680,537	15.9	715,277	194.3	2,456,278	10.6	1,170,000	5.0
1983	234,538,000	3,638,933	15.5	737,893	202.8	2,445,604	10.5	1,179,000	5.0
1984	236,681,000	3,669,141	15.5	770,355	210.0	2,477,192	10.5	1,169,000	4.9
1985*	239,400,000	3,760,861	15.8	828,174	220.2	2,425,000	10.2	1,187,000	5.0
1986*	241,000,078	3,731,000	15.5	---	---	2,400,000	10.0	1,159,000	4.8

Rate per 1,000 population for live births, marriages and dissolution of marriage.
Ratio per 1,000 live births for births to unwed mothers.
* Provisional data.

TABLE 2. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, U.S., 1945-1986

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1945	1,401,719	10.6	5,668	207.2	104,684	38.3	66,593	24.3	65,513	23.9
1946	1,395,617	10.0	5,153	156.7	111,063	33.8	79,079	24.0	74,849	22.8
1947	1,445,370	10.1	4,978	134.5	119,173	32.2	84,296	22.8	77,917	21.1
1948	1,444,337	9.9	4,122	116.6	113,169	32.0	78,426	22.2	72,838	20.6
1949	1,443,607	9.7	3,216	90.3	111,531	31.3	76,326	21.4	70,584	19.8
1950	1,452,454	9.6	2,960	83.3	103,825	29.2	72,855	20.5	68,262	19.2
1951	1,482,099	9.7	2,812	75.0	106,702	28.4	75,192	20.0	70,569	18.8
1952	1,496,838	9.6	2,610	67.8	109,413	28.4	76,253	19.8	70,447	18.3
1953	1,517,541	9.6	2,385	61.1	108,405	27.8	76,332	19.6	69,393	17.8
1954	1,481,091	9.2	2,105	52.4	106,791	26.6	76,724	19.1	70,109	17.5
1955	1,528,717	9.3	1,901	47.0	106,903	26.4	77,351	19.1	69,153	17.1
1956	1,564,476	9.4	1,702	40.9	108,183	26.0	78,659	18.9	68,659	16.5
1957	1,633,128	9.6	1,746	41.0	112,094	26.3	81,088	19.1	69,561	16.3
1958	1,647,886	9.5	1,581	37.6	113,789	27.1	81,798	19.5	69,355	16.5
1959	1,656,814	9.4	1,588	37.4	112,008	26.4	80,778	19.0	68,613	16.2
1960	1,711,982	9.5	1,579	37.1	110,873	26.0	79,733	18.7	68,480	16.1
1961	1,701,522	9.3	1,573	36.9	107,956	25.3	78,482	18.4	68,767	16.1
1962	1,756,720	9.5	1,465	35.2	105,479	25.3	76,346	18.3	66,421	15.9
1963	1,813,549	9.6	1,466	35.8	103,390	25.2	74,648	18.2	64,640	15.8
1964	1,798,051	9.4	1,343	33.3	99,783	24.8	72,026	17.9	65,931	16.4
1965	1,828,136	9.4	1,189	31.6	92,866	24.7	66,419	17.7	60,859	16.2
1966	1,863,149	9.5	1,049	29.1	85,516	23.7	61,941	17.2	56,637	15.7
1967	1,851,323	9.4	987	28.0	79,028	22.4	58,127	16.5	54,934	15.6
1968	1,930,082	9.7	859	24.5	76,263	21.8	56,456	16.1	55,293	15.8
1969	1,921,990	9.5	801	22.2	75,073	20.9	56,085	15.6	50,749	14.1
1970	1,921,031	9.5	803	21.5	74,667	20.0	56,279	15.1	52,961	14.2
1971	1,927,542	9.3	668	18.8	67,981	19.1	50,496	14.2	47,818	13.4
1972	1,963,944	9.4	612	18.8	60,182	18.5	44,432	13.6	41,380	12.7
1973	1,973,003	9.3	477	15.2	55,581	17.7	40,664	13.0	38,309	12.2
1974	1,934,388	9.1	462	14.6	52,776	16.7	38,738	12.3	36,281	11.5
1975	1,892,879	8.8	403	12.8	50,525	16.1	36,416	11.6	33,796	10.7
1976	1,909,440	8.8	390	12.3	48,265	15.2	34,587	10.9	33,111	10.8
1977	1,899,597	8.6	373	11.2	46,975	14.1	32,860	9.9	33,052	9.9
1978	1,927,788	8.7	321	9.6	45,945	13.8	31,618	9.5	32,301	9.7
1979	1,913,841	8.5	336	9.6	45,665	13.1	30,980	8.9	32,969	9.4
1980	1,989,841	8.8	334	9.2	45,526	12.6	30,618	8.5	33,353*	9.2*
1981	1,977,981	8.6	309	8.5	43,305	11.9	28,000	7.8	32,596*	9.0*
1982	1,974,797	8.5	292	7.9	42,401	11.5	28,000	7.6	32,694*	8.9*
1983	2,019,201	8.6	290	8.0	40,627	11.2	26,507	7.3	30,752*	8.5*
1984	2,039,369	8.6	285	7.8	39,580	10.8	25,691	7.0	30,099*	8.2*
1985*	2,084,000	8.7	350	9.3	39,500	10.5	26,400	7.0	---	---
1986*	2,099,000	8.7	250	6.7	38,600	10.4	---	---	---	---

Rate per 1,000 population for deaths.

Rate per 1,000 live births for infant, neonatal and fetal deaths.

Rate per 100,000 live births for maternal deaths.

* Provisional data.

TABLE 3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DISSOLUTION OF MARRIAGES, OREGON, 1908-1986

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1908	621,109	8,322	13.3	---	---	---	---	---	---
1909	647,055	8,656	13.3	---	---	4,863	7.5	---	---
1910	673,002	9,176	13.6	---	---	5,541	8.2	---	---
1911	684,847	9,562	13.8	---	---	6,846	9.9	---	---
1912	696,692	11,189	16.0	---	---	6,613	9.4	---	---
1913	708,537	11,033	15.5	---	---	5,382	7.5	---	---
1914	720,382	11,624	16.1	---	---	5,170	7.1	---	---
1915	732,226	12,232	16.7	---	---	4,983	6.8	---	---
1916	744,071	12,960	17.4	---	---	5,396	7.2	---	---
1917	755,916	13,147	17.4	---	---	6,196	8.2	---	---
1918	767,761	13,295	17.3	---	---	5,281	6.9	---	---
1919	779,606	13,638	17.5	---	---	6,605	8.5	---	---
1920	791,701	14,954	18.8	---	---	7,557	9.5	---	---
1921	808,325	15,607	19.3	---	---	7,643	9.4	---	---
1922	824,949	15,087	18.3	---	---	6,691	8.1	---	---
1923	841,573	14,992	17.8	---	---	7,151	8.4	---	---
1924	858,197	15,818	18.4	---	---	6,937	8.1	---	---
1925	874,800	15,579	17.8	---	---	6,999	8.0	---	---
1926	891,400	14,929	16.7	---	---	7,160	8.0	3,128	3.5
1927	908,100	14,637	16.1	---	---	7,392	8.1	3,149	3.5
1928	924,700	14,159	15.3	---	---	7,625	8.2	3,090	3.3
1929	941,300	13,244	14.1	---	---	8,243	8.7	3,197	3.4
1930	958,450	13,473	14.1	---	---	7,678	8.0	2,825	2.9
1931	967,200	13,227	13.7	---	---	7,346	7.6	2,417	2.5
1932	980,600	12,845	13.1	---	---	6,668	6.8	1,728	1.8
1933	994,000	12,228	12.3	---	---	5,715	5.7	1,844	1.9
1934	1,007,400	13,071	13.0	---	---	6,237	6.2	2,248	2.2
1935	1,020,800	13,143	12.9	---	---	6,795	6.7	2,304	2.3
1936	1,034,100	14,119	13.7	---	---	7,433	7.2	2,578	2.5
1937	1,047,500	15,495	14.8	---	---	7,602	7.3	2,718	2.6
1938	1,061,000	16,333	15.4	---	---	6,734	6.3	3,162	3.0
1939	1,074,000	16,727	15.6	---	---	4,902	4.6	3,422	3.2
1940	1,093,000	17,522	16.0	237	13.5	5,998	5.5	3,543	3.2
1941	1,107,000	18,784	17.0	229	12.2	7,445	6.7	4,122	3.7
1942	1,148,500	22,283	19.4	247	11.1	8,768	7.6	4,725	4.1
1943	1,167,200	25,380	21.7	328	12.9	9,272	7.9	5,643	4.8
1944	1,221,000	23,444	19.2	407	17.4	8,675	7.1	6,619	5.4
1945	1,227,200	23,339	19.0	504	21.6	9,764	8.0	7,949	6.5
1946	1,347,900	29,566	21.9	517	17.5	14,674	10.9	10,241	7.6

TABLE 3. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS, MARRIAGES, DISSOLUTION OF MARRIAGES, OREGON, 1908-1986, Continued

YEAR	POPULATION	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		Number	Rate	Number	Ratio	Number	Rate	Number	Rate
1947	1,423,300	36,190	25.4	608	16.8	12,881	9.1	6,707	4.7
1948	1,470,800	34,937	23.8	575	16.5	12,373	8.4	6,405	4.4
1949	1,511,200	35,062	23.2	502	14.3	10,746	7.1	6,274	4.2
1950	1,521,341	35,991	23.7	667	18.5	11,300	7.4	5,943	3.9
1951	1,568,000	37,317	23.8	623	16.7	10,118	6.5	6,133	3.9
1952	1,602,100	39,752	24.8	780	19.6	9,998	6.2	6,311	3.9
1953	1,636,800	39,866	24.4	772	19.4	10,502	6.4	6,373	3.9
1954	1,662,680	38,550	23.2	909	23.6	9,567	5.8	6,130	3.7
1955	1,690,840	38,678	22.9	880	22.8	10,632	6.3	6,158	3.6
1956	1,734,650	38,432	22.2	958	24.9	10,568	6.1	5,827	3.4
1957	1,737,470	37,828	21.8	1,088	28.8	9,961	5.7	5,261	3.0
1958	1,728,550	36,295	21.0	1,091	30.1	9,896	5.7	5,452	3.2
1959	1,777,000	36,634	20.6	1,217	33.2	10,166	5.7	6,009	3.4
1960	1,768,687	38,347	21.7	1,250	32.6	10,590	6.0	5,711	3.2
1961	1,816,345	37,475	20.6	1,433	38.2	10,798	5.9	6,023	3.3
1962	1,825,138	36,983	20.3	1,499	40.5	11,122	6.1	6,074	3.3
1963	1,856,190	34,863	18.8	1,708	49.0	11,786	6.3	6,180	3.3
1964	1,906,000	33,500	17.6	1,754	52.4	12,297	6.5	6,486	3.4
1965	1,972,150	32,955	16.7	2,094	63.5	13,252	6.7	6,219	3.2
1966	1,999,780	32,446	16.2	2,330	71.8	13,981	7.0	6,764	3.4
1967	2,006,360	31,446	15.7	2,478	78.8	14,401	7.2	7,603	3.8
1968	2,050,900	32,136	15.7	2,831	88.1	16,125	7.9	8,258	4.0
1969	2,081,640	33,834	16.3	3,000	88.7	16,874	8.1	8,643	4.2
1970	2,091,385	35,353	16.9	2,912	82.4	17,302	8.3	9,583	4.6
1971	2,143,010	33,344	15.6	2,603	78.1	18,100	8.4	10,687	5.0
1972	2,183,270	31,308	14.3	2,552	81.5	19,265	8.8	11,706	5.4
1973	2,224,900	30,902	13.9	2,599	84.1	19,661	8.8	12,382	5.6
1974	2,266,000	32,506	14.3	2,984	91.8	20,002	8.8	13,538	6.0
1975	2,299,000	33,352	14.5	3,382	101.4	19,322	8.4	15,526	6.8
1976	2,341,750	34,840	14.9	3,825	109.8	19,182	8.2	16,070	6.9
1977	2,396,100	37,467	15.6	4,596	122.7	20,303	8.5	16,372	6.8
1978	2,472,000	38,964	15.8	5,279	135.5	21,055	8.5	16,965	6.9
1979	2,544,000	41,564	16.3	5,599	134.7	22,063	8.7	17,584	6.9
1980	2,633,105	43,091	16.4	6,360	147.6	23,004	8.7	17,762	6.7
1981	2,660,435	42,974	16.2	6,384	148.6	22,904	8.6	17,697	6.7
1982	2,656,185	41,012	15.4	6,484	158.1	24,186	9.1	16,792	6.3
1983	2,634,993	39,949	15.2	6,467	161.0	23,346	8.9	16,173	6.1
1984	2,660,000	39,536	14.9	6,861	173.5	23,074	8.7	15,631	5.9
1985	2,675,800	39,419	14.7	7,385	187.3	22,408	8.4	15,736	5.9
1986	2,659,500	38,850	14.6	7,999	205.9	22,015	8.3	15,774	5.9

Rate per 1,000 population for live births, marriages and dissolution of marriage.
Ratio per 1,000 live births for births to unwed mothers.

TABLE 4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS
OREGON, 1908-1986

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1908	4,970	8.0	59	709.0	676	81.2	---	---	---	---
1909	5,470	8.4	70	808.7	756	80.7	---	---	---	---
1910	6,089	9.0	91	991.7	733	79.9	---	---	---	---
1911	6,360	9.2	91	951.7	753	78.7	---	---	---	---
1912	5,898	8.4	63	563.1	653	58.6	---	---	---	---
1913	6,714	9.4	60	543.8	684	61.9	---	---	---	---
1914	6,446	8.9	72	619.4	577	49.6	---	---	---	---
1915	6,718	9.1	74	605.0	583	47.6	---	---	---	---
1916	7,107	9.5	88	679.0	725	55.9	---	---	---	---
1917	7,349	9.7	87	661.7	837	63.6	---	---	---	---
1918	9,842	12.8	106	797.3	907	68.2	---	---	---	---
1919	8,881	11.4	101	740.6	845	61.9	---	---	---	---
1920	9,186	11.6	112	749.0	927	61.9	---	---	---	---
1921	8,324	10.2	117	749.7	791	50.6	---	---	---	---
1922	9,381	11.3	115	762.2	886	58.7	---	---	---	---
1923	8,983	10.6	103	687.0	853	56.9	---	---	---	---
1924	9,511	11.1	94	594.3	834	52.7	---	---	---	---
1925	9,596	10.9	95	609.8	787	50.5	---	---	---	---
1926	9,885	11.1	85	569.4	769	51.5	---	---	---	---
1927	10,222	11.2	91	621.7	693	47.3	---	---	---	---
1928	10,493	11.3	86	607.4	651	46.0	---	---	410	29.0
1929	10,680	11.3	75	566.3	633	47.7	---	---	415	31.4
1930	10,544	11.0	81	601.2	671	49.8	---	---	390	28.9
1931	10,245	10.6	61	461.2	578	43.7	---	---	360	27.2
1932	10,272	10.5	64	498.2	530	41.3	---	---	322	25.1
1933	10,450	10.5	64	523.4	493	40.3	---	---	329	26.9
1934	10,539	10.5	79	604.4	519	39.7	---	---	320	24.5
1935	11,429	11.2	72	547.8	537	40.8	---	---	300	22.8
1936	12,434	12.0	77	545.4	626	44.3	409	29.0	300	21.5
1937	12,369	11.8	56	361.4	649	41.9	415	26.8	340	22.4
1938	11,777	11.1	53	324.5	631	38.6	418	25.6	353	21.6
1939	11,779	11.0	43	257.1	580	34.7	381	22.8	322	19.3
1940	12,329	11.3	45	256.8	592	33.2	413	23.6	365	20.8
1941	12,123	10.9	43	228.9	589	30.7	397	20.9	333	17.7
1942	12,520	10.9	37	166.0	669	30.0	456	20.4	362	16.2
1943	13,440	11.5	37	145.8	776	30.6	466	18.4		
1944	12,580	10.3	41	147.9	706	30.1	504	21.5	454	19.4
1945	12,325	10.0	29	124.3	660	28.3	473	20.3	402	[illegible]
1946	12,828	9.5	28	94.7	803	27.2	594	20.1	515	17.4

Rate per 1,000 population for deaths.

Rate per 1,000 live births for infant, neonatal and fetal deaths.

Rate per 100,000 live births for maternal deaths.

TABLE 4. DEATHS, MATERNAL DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS
OREGON, 1908-1986, Continued

YEAR	DEATHS		MATERNAL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1947	13,460	9.5	35	96.7	896	24.8	645	17.8	562	15.5
1948	13,872	9.4	15	42.9	892	25.5	671	19.2	508	14.5
1949	13,698	9.1	20	57.0	862	24.6	661	18.9	488	13.9
1950	13,888	9.1	22	61.1	816	22.7	627	17.4	493	13.7
1951	14,489	9.2	5	13.4	883	23.7	637	17.1	498	13.3
1952	14,438	9.0	11	27.7	951	23.9	696	17.5	500	12.6
1953	14,598	8.9	15	37.6	938	23.5	680	17.1	524	13.1
1954	14,665	8.8	9	23.3	868	22.5	632	16.4	512	13.3
1955	15,303	9.1	8	20.7	934	24.1	681	17.6	497	12.8
1956	15,328	8.8	11	28.6	887	23.1	645	16.8	504	13.1
1957	15,633	9.0	8	21.1	828	21.9	587	15.5	499	13.2
1958	15,449	8.9	6	16.5	844	23.3	597	16.4	448	12.3
1959	16,699	9.4	9	24.6	927	25.3	664	18.1	469	12.8
1960	16,787	9.5	14	36.5	891	23.2	635	16.6	493	12.9
1961	16,885	9.3	8	21.3	861	23.0	604	16.1	454	16.1
1962	17,221	9.4	7	18.9	811	21.9	554	15.0	461	12.5
1963	18,017	9.7	7	20.1	747	21.4	551	15.8	410	11.8
1964	18,138	9.5	4	11.9	754	22.5	532	15.9	402	12.0
1965	18,133	9.2	1	3.0	696	21.1	477	14.5	421	12.8
1966	18,979	9.5	3	9.2	697	21.5	506	15.6	387	11.9
1967	18,908	9.4	4	12.7	616	19.6	436	13.9	395	12.6
1968	19,017	9.3	3	9.3	637	19.8	460	14.3	365	11.4
1969	19,548	9.4	4	11.8	592	17.5	410	12.1	194	1/
1970	19,530	9.3	5	14.1	555	15.7	381	10.8	486	13.7
1971	20,087	9.4	5	15.0	615	18.4	416	12.5	408	12.2
1972	20,216	9.3	5	16.0	528	16.9	359	11.5	391	12.5
1973	20,881	9.4	1	3.2	466	15.1	329	10.6	312	10.1
1974	20,320	9.0	3	9.2	488	15.0	330	10.2	266	8.2
1975	20,142	8.8	3	9.0	502	15.1	330	9.9	284	8.5
1976	20,459	8.7	-	-	444	12.7	277	8.0	280	8.0
1977	20,457	8.5	5	13.3	453	12.1	293	7.8	283	7.6
1978	20,870	8.4	2	5.1	502	12.9	299	7.7	302	7.8
1979	21,024	8.3	1	2.4	450	10.8	276	6.6	307	7.4
1980	21,756	8.3	1	2.3	521	12.1	303	7.0	294	6.8
1981	21,798	8.2	3	7.0	466	10.8	299	7.0	298	6.9
1982	21,594	8.1	8	19.5	433	10.6	253	6.2	253	6.2
1983	22,361	8.5	6	15.0	385	9.6	215	5.4	268	6.7
1984	23,101	8.7	4	10.1	388	9.8	190	4.8	257	6.5
1985	23,824	8.9	4	10.1	387	9.8	211	5.3	237	6.0
1986	23,328	8.8	4	10.3	368	9.5	183	4.7	268	6.9

1/ Incomplete total.

TABLE 5. POPULATION, LIVE BIRTHS, BIRTHS TO UNWED MOTHERS BY COUNTY OF RESIDENCE. MARRIAGES, DISSOLUTION OF MARRIAGES, BY COUNTY OF OCCURRENCE, OREGON, 1986

COUNTY	ESTIMATED POPULATION 7/1/86	LIVE BIRTHS		BIRTHS TO UNWED MOTHERS		MARRIAGES		DISSOLUTION OF MARRIAGES	
		NUMBER	RATE	NUMBER	RATIO	NUMBER	RATE	NUMBER	RATE
TOTAL	2,659,500	38,850	14.6	7,999	205.9	22,015	8.3	15,774	5.9
BAKER	15,550	184	11.9	28	152.2	113	7.3	76	4.9
BENTON	66,100	862	13.0	87	100.9	466	7.0	306	4.6
CLACKAMAS	248,200	3,289	13.3	456	138.6	1,833	7.4	1,045	4.2
CLATSOP	32,900	443	13.5	85	191.9	367	11.2	227	6.9
COLUMBIA	36,100	474	13.1	88	185.7	256	7.1	641	17.8
COOS	57,500	770	13.4	183	237.7	533	9.3	381	6.6
CROOK	13,500	174	12.9	34	195.4	142	10.5	80	5.9
CURRY	16,900	189	11.2	31	164.0	139	8.2	98	5.8
DESCHUTES	65,400	939	14.4	165	175.7	572	8.7	332	5.1
DOUGLAS	92,700	1,296	14.0	305	235.3	904	9.8	563	6.1
GILLIAM	1,800	19	10.6	1	52.6	6	3.3	3	1.7
GRANT	8,350	117	14.0	15	128.2	78	9.3	73	8.7
HARNEY	7,100	119	16.8	14	117.6	38	5.4	42	5.9
HOOD RIVER	16,200	279	17.2	33	118.3	152	9.4	457	28.2
JACKSON	138,400	1,950	14.1	412	211.3	1,172	8.5	783	5.7
JEFFERSON	12,000	279	23.3	100	358.4	118	9.8	50	4.2
JOSEPHINE	61,450	748	12.2	193	258.0	497	8.1	615	10.0
KLAMATH	56,700	876	15.4	211	240.9	404	7.1	410	7.2
LAKE	7,300	91	12.5	14	153.8	44	6.0	76	10.4
LANE	261,650	3,677	14.1	835	227.1	2,272	8.7	1,805	6.9
LINCOLN	36,900	432	11.7	107	247.7	476	12.9	200	5.4
LINN	86,050	1,272	14.8	283	222.5	711	8.3	437	5.1
MALHEUR	26,200	431	16.5	77	178.7	214	8.2	125	4.8
MARION	209,200	3,352	16.0	735	219.3	1,981	9.5	949	4.5
MORROW	7,800	152	19.5	28	184.2	51	6.5	51	6.5
MULTNOMAH	566,200	8,624	15.2	2,195	254.5	4,912	8.7	3,129	5.5
POLK	45,600	667	14.6	137	205.4	271	5.9	563	12.3
SHERMAN	2,100	21	10.0	3	142.9	9	4.3	1	.5
TILLAMOOK	21,300	268	12.6	54	201.5	181	8.5	180	8.5
UMATILLA	58,700	963	16.4	224	232.6	446	7.6	352	6.0
UNION	23,000	311	13.5	44	141.5	183	8.0	59	2.6
WALLOWA	7,200	85	11.8	5	58.8	56	7.8	40	5.6
WASCO	21,600	263	12.2	58	220.5	177	8.2	154	7.1
WASHINGTON	273,300	4,270	15.6	561	131.4	1,764	6.5	1,097	4.0
WHEELER	1,500	11	7.3	1	90.9	9	6.0	6	4.0
YAMHILL	57,100	953	16.7	197	206.7	468	8.2	368	6.4

NOTE: RATE PER 1,000 POPULATION FOR LIVE BIRTHS, MARRIAGES, AND DISSOLUTION OF MARRIAGES

NOTE: RATIO PER 1,000 LIVE BIRTHS FOR BIRTHS TO UNWED MOTHERS

TABLE 6. DEATHS, INFANT DEATHS, NEONATAL DEATHS, FETAL DEATHS, BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL......	23,328	8.8	368	9.5	183	4.7	264	6.8
BAKER......	183	11.8	2	10.9	-	.0	2	10.9
BENTON.....	367	5.6	8	9.3	3	3.5	8	9.3
CLACKAMAS..	1,840	7.4	29	8.8	14	4.3	21	6.4
CLATSOP....	324	9.8	4	9.0	-	.0	3	6.8
COLUMBIA...	307	8.5	5	10.5	4	8.4	1	2.1
COOS.......	627	10.9	11	14.3	5	6.5	3	3.9
CROOK......	132	9.8	2	11.5	1	5.7	-	-
CURRY......	194	11.5	-	-	-	-	2	10.6
DESCHUTES..	536	8.2	10	10.6	4	4.3	4	4.3
DOUGLAS....	801	8.6	12	9.3	8	6.2	8	6.2
GILLIAM....	12	6.7	-	-	-	-	-	-
GRANT......	80	9.6	1	8.5	1	8.5	-	-
HARNEY.....	63	8.9	-	-	-	-	2	16.8
HOOD RIVER.	161	9.9	2	7.2	-	.0	2	7.2
JACKSON....	1,276	9.2	21	10.8	13	6.7	13	6.7
JEFFERSON..	86	7.2	3	10.8	2	7.2	1	3.6
JOSEPHINE..	683	11.1	15	20.1	8	10.7	4	5.3
KLAMATH....	491	8.7	10	11.4	5	5.7	6	6.8
LAKE.......	58	7.9	-	-	-	-	-	-
LANE.......	2,151	8.2	25	6.8	14	3.8	26	7.1
LINCOLN....	429	11.6	3	6.9	2	4.6	8	18.5
LINN.......	781	9.1	11	8.6	5	3.9	8	6.3
MALHEUR....	260	9.9	9	20.9	6	13.9	2	4.6
MARION.....	1.899	9.1	32	9.5	15	4.5	29	8.7
MORROW.....	52	6.7	1	6.6	-	.0	-	-
MULTNOMAH..	5,679	10.0	76	8.8	36	4.2	55	6.4
POLK.......	371	8.1	4	6.0	1	1.5	6	9.0
SHERMAN....	13	6.2	-	-	-	-	-	-
TILLAMOOK..	236	11.1	3	11.2	2	7.5	2	7.5
UMATILLA...	535	9.1	13	13.5	5	5.2	7	7.3
UNION......	170	7.4	5	16.1	2	6.4	4	12.9
WALLOWA....	75	10.4	-	-	-	-	-	-
WASCO......	228	10.6	1	3.8	-	.0	2	7.6
WASHINGTON.	1,749	6.4	41	9.6	22	5.2	27	6.3
WHEELER....	13	8.7	-	-	-	-	-	-
YAMHILL....	466	8.2	9	9.4	5	5.2	8	8.4

NOTE: RATE PER 1,000 POPULATION FOR DEATHS
NOTE: RATE PER 1,000 LIVE BIRTHS FOR INFANT, NEONATAL, AND FETAL DEATHS

TABLE 7. POPULATION, BIRTHS AND DEATHS BY CITY OF RESIDENCE, OREGON, 1986

CITY OF RESIDENCE	ESTIMATED POPULATION 7/1/86	BIRTHS		DEATHS	
		NUMBER	RATE	NUMBER	RATE
ALBANY.......	27,950	488	17.5	261	18.0
ASHLAND......	15,855	178	11.2	112	4.3
BEAVERTON....	35,025	818	23.4	272	.7
BEND.........	18,575	356	19.2	158	13.2
COOS BAY.....	14,330	263	18.4	181	12.6
CORVALLIS....	40,870	592	14.5	224	14.1
EUGENE.......	106,480	1,467	13.8	847	75.6
FOREST GROVE.	11,930	223	18.7	135	.3
GRANTS PASS..	16,290	259	15.9	225	14.6
GRESHAM......	42,715	583	13.6	310	7.6
HILSBORO.....	30,520	591	19.4	228	.6
KLAMATH FALLS	17,030	299	17.6	174	4.1
LAGRANDE.....	11,475	187	16.3	99	3.8
LAKE OSWEGO..	26,035	279	10.7	155	4.1
LEBANON......	10,180	176	17.3	126	8.7
MCMINNVILLE..	15,460	286	18.5	152	1.6
MEDFORD......	42,460	725	17.1	445	17.1
MILWAUKIE....	17,685	520	29.4	240	6.9
NEWBERG......	11,200	207	18.5	119	1.3
OREGON CITY..	14,360	280	19.5	153	4.4
PENDLETON....	14,445	212	14.7	126	4.5
PORTLAND.....	398,160	6,105	15.3	4,143	100.9
ROSEBURG.....	15,890	286	18.0	240	14.7
SALEM........	93,300	1,817	19.5	1,056	64.3
SPRINGFIELD..	40,550	872	21.5	357	31.9
THE DALLES...	10,630	160	15.1	145	8.2
TIGARD.......	20,765	369	17.8	205	.5
WEST LINN....	13,130	203	15.5	68	1.9
WOODBURN.....	11,785	246	20.9	194	12.2

NOTES: ALL RATES PER 1,000 POPULATION.
CITIES OF 10,000 OR MORE POPULATION LISTED.

POPULATION SOURCE: CENTER FOR POPULATION RESEARCH AND CENSUS, PORTLAND STATE UNIVERSITY, JULY 1, 1986.

NATALITY

NATALITY

Number of Births Declines

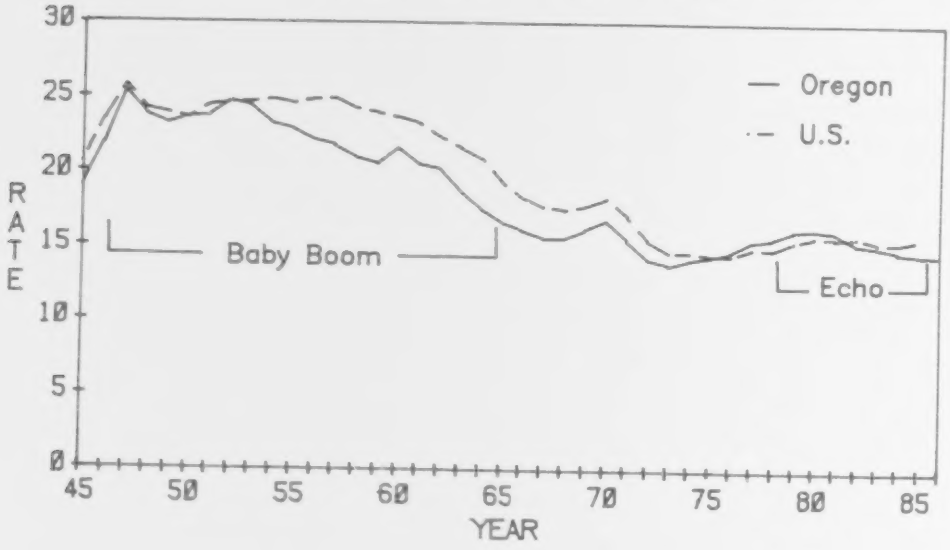
The trend towards fewer births by Oregon women continued in 1986 with the births of 38,850 infants. Since 1980, when Oregon recorded its highest number of births, both the number of babies born and the crude birth rate have fallen.

Changes in birthing patterns are measured over decades and generations. The women from the much talked-about "baby boom" generation, born between 1946 and 1964, are now passing through their peak years for childbearing. From 1977 to 1983, Oregon experienced what is referred to as an "echo boom" (Figure 1). Since 1983, however, the live birth rate has declined 3.9 percent (Tables 1 and 3).

Oregon's crude birth rate of 14.6 per 1,000 population in 1986 is 8.2 percent lower than the 1985 U.S. crude rate of 15.8. The fertility rate is a reflection of the number of births to women of childbearing age. It is based on the number of births per 1,000 women age 15-44. Oregon's 1986 fertility rate of 61.8 is 7.1 percent lower than the U.S. 1985 figure of 66.2. 1/

FIGURE 1

LIVE BIRTH RATES
Oregon and U.S., 1945–1986



1/ National Center for Health Statistics: Advance report of final natality statistics, 1985. Monthly Vital Statistics Report, Vol. 36, No. 4, supp. DHHS Pub. No (PHS) 87-1120. Public Service, Hyattsville, Md., Jul 17, 1987.

While the U.S. fertility rate dropped 1.2 percent from 1984 to 1985, the Oregon fertility rate dropped by only 0.6 percent from 1985 to 1986. Comparison of the Oregon to U.S. race-specific birth rates would be more accurate than comparison of crude rates since Oregon's population consists of a smaller proportion of racial minorities. Unfortunately, race-specific rates for Oregon are only available during census years.

Health Status of Infants

Do all of the thousands of infants born every year thrive and become normal healthy adults? The Center for Health Statistics has two ways to answer this question. The first, the low birth weight rate, is the proportion of infants who weigh less than 2,500 grams at birth. The low birth weight rate for 1986 was 51.3 per 1,000 live births (number = 1993). These infants usually require extensive medical treatment and sometimes have lifelong handicapping conditions. Major factors associated with the risks of having a low weight baby include multiple births, adequacy of care, marital status, previous fetal or infant death, and education of mother. 2/ Other factors commonly monitored are non-White race and age of mother. The second type of health status indicator uses death information. Neonatal deaths and infant deaths are closely linked to low birth weight. Infant deaths are discussed in the mortality section of this report.

Adequacy of Care Decreases

Public health services can do little to affect the most common low birth weight indicator, multiple births. However, the second major predictor of low birth weight is adequacy of prenatal care. Adequate care is defined as care starting before the last trimester and consisting of more than four visits.

Oregon's rate of inadequate care, 83.3 per 1,000 live births, is at its highest level since 1975 (Figure 2). The trend was decreasing from 1975 to 1980, but in 1981, it reversed direction. Since 1980, the Oregon inadequate prenatal care rate has risen 47.2 percent, from 56.6 to 83.3.

In the past, Oregon's rate of inadequate prenatal care has been consistently below the national rate. Now, the gap between the Oregon and U.S. averages has virtually disappeared. In 1980, the Oregon rate was 31.5 percent lower than the U.S. rate. By 1986, the Oregon rate was only 1.5 percent lower than the 1985 U.S. rate.

Oregon women ages 35-39 sought prenatal care most often; only 41 out of every 1,000 births had inadequate prenatal care. Women under 20 were least likely to obtain prenatal care. Their rate of inadequate care, 185 per 1,000 live births, was four and a half times higher than the 35-39 age group (Table 26). Differences were found between racial groups. Chinese and

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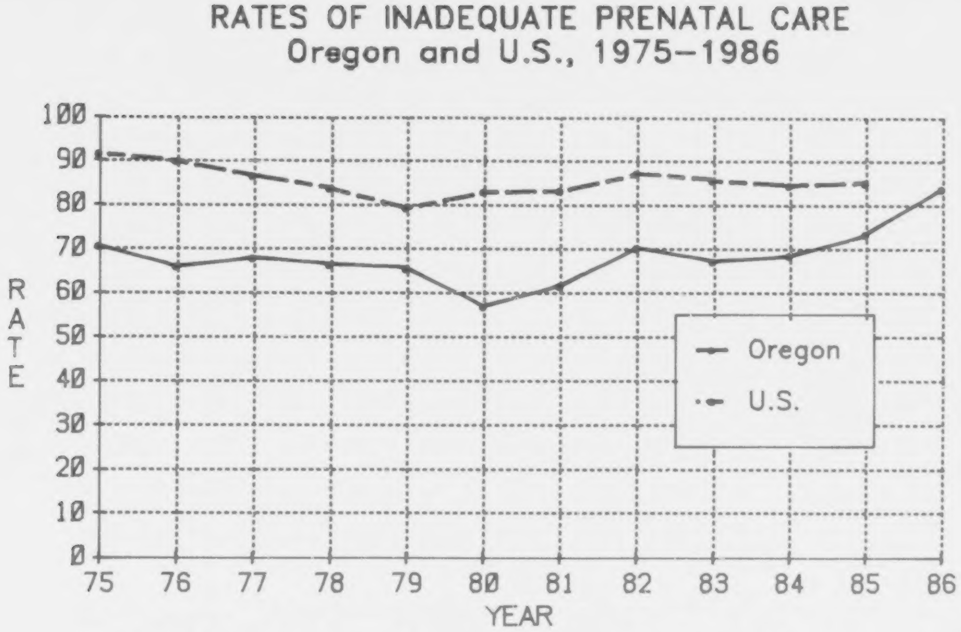
2/ Medicaid Support and Birth Outcome, Oregon, 1984. Center for Health Statistics, Health Division, Oregon Department of Human Resources, 1986.

FIGURE 2



Compared to Whites, Chinese and Japanese women had one-half to one-fourth the rate of inadequate care. However, Hispanic, Black, and Indian women had rates of inadequate care 2.3 to 2.8 times higher than their White counterparts (Table 27).

The rate of inadequate prenatal care varied between 120.0 and 391.3 for mothers with less than twelve years of education. However, for mothers with twelve or more years of education, the rate declined steadily from 77.1 for mothers with 12 years of education to 15.5 for mothers with 17 or more years of education (Table 28). Clearly, educational attainment appears to be closely associated with adequacy of prenatal care.

The relationship between inadequate prenatal care and low birth weight is almost as clear. Except for the 93 babies weighing in at 5,000 grams and over, the lighter the infant, the higher the rate of inadequate prenatal care. Infants under 1,000 grams at birth had the highest rate of 411.0, while the rate for infants 4,000-4,999 grams was 57.3. The rate for infants 5,000 grams and over was 64.5.

It is important to note that while there appears to be a definite relationship between inadequate prenatal care and education and between inadequate prenatal care and low birth weight, we cannot say one causes the other. We can only say that one is associated with the other, or that they tend to go together.

Geographic differences prevail throughout the state. Of the 36 counties, seven had inadequate prenatal care rates significantly lower than the state average (Benton, Columbia, Crook, Polk, Tillamook, Wallowa, and Washington), while seven counties had rates significantly higher than the state rate (Hood River, Jackson, Jefferson, Josephine, Klamath, Lane, and Umatilla).

Births to Unwed Mothers Increase

The pronounced increase in the number and rate of births to unwed mothers continues. In 1986, there were 7,999 live births to unwed mothers. Out of each 1,000 births in 1986, 206 were to mothers who were not married. This is a 9.9 percent increase in rate from 1985 and a 39.5 percent increase over the 1980 rate of 147.6.

The rate of Oregon births to unwed mothers in 1986 was 6.9 percent lower than the 1985 U.S. rate of 220.2. Changes in Oregon's unwed mother rate parallels the national trend (Figure 3).

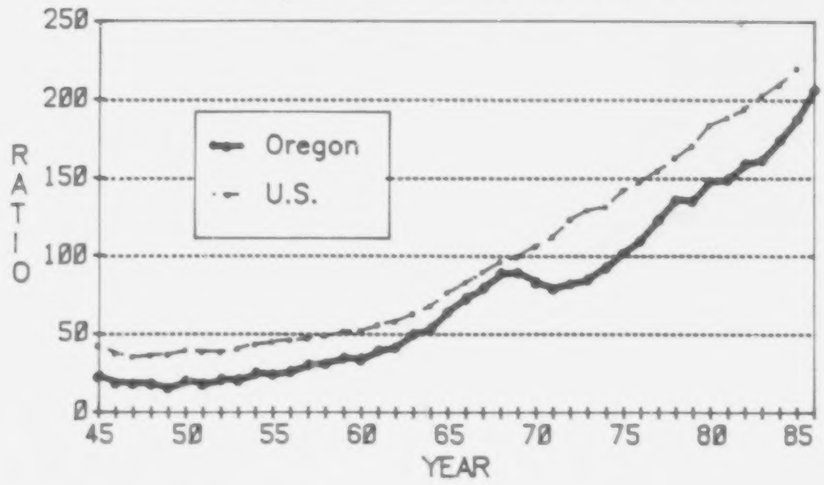
Although considered a personal choice of the mother, marital status is linked to birth outcome. Unwed mothers are more likely to give birth to low weight infants, with a rate of 78.0 compared to 44.4 (per 1,000 births) for married mothers. Many professionals link the low birth weight outcome of unwed mothers to their high rates of inadequate prenatal care. The unwed mothers' rate of inadequate prenatal care was 190.8, much higher than the 55.4 rate for married mothers. However, even for unwed mothers receiving adequate prenatal care, 63.8 babies out of every 1,000 births were low weight, compared to 41.2 low weight births to married mothers who received adequate care. On the positive side, from 1985 to 1986, there was a 6.5 percent decrease in the low birth weight rate for all unwed mothers and a 9.8 percent decrease in rate for unwed mothers with low birth weight babies and adequate prenatal care.

There were also differences among unwed mothers by race of child. Almost 20 percent of White, Hispanic, and Hawaiian children had mothers who were unwed at the time of their children's births. The mothers of Chinese and Japanese babies were unwed only 4.3 percent of the time. Filipinos were unwed 10.2 percent of the time, while for Other Asians the percentage was 12.8. Indian mothers were unwed 39 percent and a majority (53 percent) of Black mothers were unwed.

Unwed mothers tended to be younger than married mothers. In 1986, 31.7 percent of unwed mothers were under 20 years of age, while only 10.9 percent of married mothers were in this age range. Marital status differences

FIGURE 3

UNWED BIRTH RATIOS
Oregon and U.S., 1945–1986



existed among counties. Ten of Oregon's counties had unwed mother ratios significantly less than the state ratio of 205.9, and ten counties had ratios significantly greater than the state ratio (Table 13).

Size of Families Increases

Since 1982, the percentage of families giving birth to their third or more child has increased by 9.6 percent from 24.0 percent in 1982 to 26.3 percent in 1986. Historically, the percentage of families giving birth to their third or more child increased from 32.1 percent in 1940 to 36.6 percent in 1960, then it decreased to 23.1 percent in 1981, when it resumed the current upward trend.

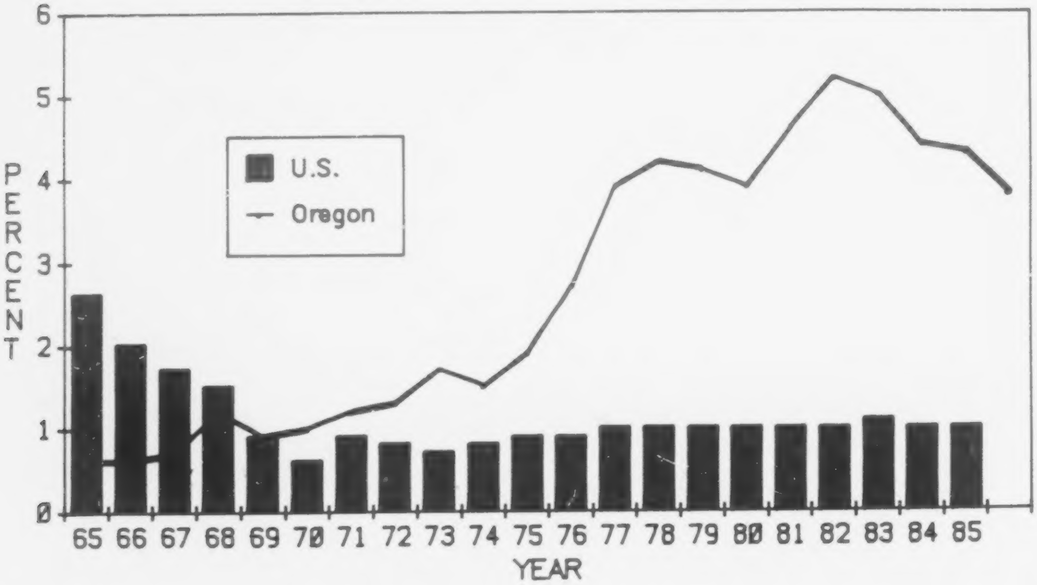
Fewer Out-of-Hospital Births

Oregon continues to be above the national average in the percentage of out-of-hospital births since 1969 (Figure 4). The peak years for numbers of non-hospital births were 1982 and 1983, with 2069 and 2060 births respectively. In 1986, there were 1520 out-of-hospital births (3.8 percent of all births occurring in Oregon). This figure is down 13.6 percent from 1985 and down 24.0 percent from the peak of 5.0 percent in 1983.

In 1986, only 21 infants born out-of-hospital to Oregon residents had low birth weights (1.4 percent of all non-hospital Oregon resident births), while 5.3 percent of the infants born in-hospital births had low birth weights. This difference may reflect the screening process used by providers in out-of-hospital birth settings. Typically, the mothers delivering in non-traditional settings are not high risk patients. These providers may also be

FIGURE 4

PERCENT OF OUT-OF-HOSPITAL BIRTHS
Oregon and U.S., 1965-1986



transporting or transferring mothers in premature labor or patients who develop complications of pregnancy, because they do not have the facility or equipment to deal with these problem births.

For Whites and Hispanics, 4.1 percent of births were out-of-hospital births while the figure for other non-whites was 2.6 percent, over one-third lower.

The type of attendant at these births has changed quite a bit in the last six years. Since 1980, a third fewer M.D.s, other medical, and other non-medical attendants have attended out-of-hospital births. On the other hand, midwives as attendants have increased over a third, and CNMs and RNs have increased by almost 70 percent (Figure 5).

FIGURE 5

TYPE OF DELIVERY ATTENDANT
FOR NON-HOSPITAL OREGON BIRTHS
1980 vs. 1986

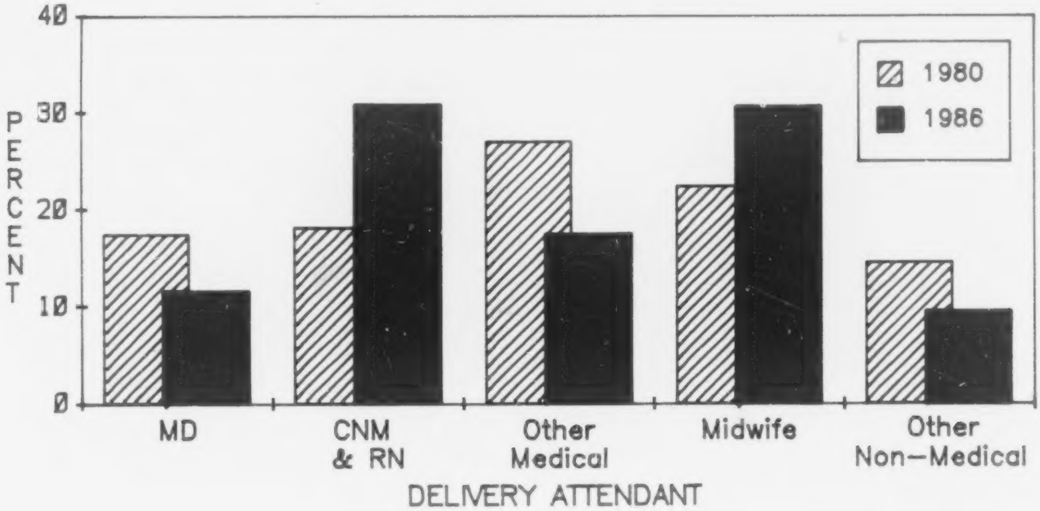


TABLE 8. AGE SPECIFIC BIRTH RATES, FERTILITY RATES, AND TOTAL FERTILITY RATES, OREGON, 1940, 1950, 1960, 1970, 1975-1986

YEAR	TOTAL FERTILITY RATES	FERTILITY RATES	AGE SPECIFIC BIRTH RATES					
			15-19	20-24	25-29	30-34	35-39	40-44
1940	2,009	69.4	46.2	132.8	114.1	68.0	31.7	9.0
1950	3,228	108.8	92.9	223.0	169.5	100.9	46.7	12.6
1960	3,588	112.5	88.2	283.8	189.3	96.3	46.3	13.7
1970	2,256	81.5	58.9	167.5	139.4	58.3	21.7	5.4
1975	1,677	64.5	47.2	112.4	111.6	47.0	14.4	2.8
1976	1,692	65.1	48.3	110.9	112.3	49.4	14.5	3.0
1977	1,762	67.6	47.4	116.3	114.9	55.0	15.8	2.9
1978	1,757	67.3	49.3	115.1	111.3	56.8	16.1	2.8
1979	1,808	69.0	48.8	117.1	114.7	61.0	16.9	3.0
1980	1,830	69.3	50.9	124.3	112.9	57.8	17.2	2.8
1981	1,822	68.1	51.5	121.3	112.8	59.3	16.6	3.0
1982	1,781	65.2	45.7	119.1	109.1	60.3	18.6	3.3
1983	1,776	64.1	42.8	114.0	110.8	64.7	19.7	3.3
1984	1,760	62.8	42.5	108.0	110.9	66.4	21.2	3.1
1985	1,775	62.2	42.8	111.2	110.8	65.6	21.2	3.4
1986	1,784	61.8	42.3	105.5	112.7	69.5	22.9	3.9

Rates are per 1,000 female population within the specific age group.
Births to mothers under 15 and over 44 were not included.

TABLE 9. RESIDENT BIRTHS BY AGE GROUP OF MOTHER, OREGON, 1955-1986

YEAR	TOTAL	AGE-GROUP OF MOTHER																
		Under 15		15-19		20-24		25-29		30-34		35-39		40-44		45 +		N.S.*
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
1955	38,678	19	0.0	4,939	12.8	12,968	33.5	10.339	26.7	6,346	16.4	3,194	8.3	835	2.2	36	0.1	2
1956	38,423	21	0.1	5,230	13.6	13,029	33.9	10,035	26.1	6,119	15.9	3,098	8.1	831	2.2	50	0.1	10
1957	37,828	19	0.1	5,267	13.9	13,162	34.8	9,509	25.1	5,939	15.7	3,051	8.1	832	2.2	47	0.1	2
1958	36,295	26	0.1	5,147	14.2	12,761	35.2	9,222	25.4	5,519	15.2	2,763	7.6	819	2.3	36	0.1	2
1959	36,634	21	0.1	5,351	14.6	13,390	36.6	9,052	24.7	5,314	14.5	2,732	7.5	737	2.0	35	0.1	2
1960	38,347	31	0.1	5,896	15.4	14,122	36.8	9,338	24.4	5,303	13.8	2,808	7.3	799	2.1	48	0.1	2
1961	37,475	25	0.1	5,738	15.3	14,434	38.5	8,891	23.7	5,012	13.4	2,597	6.9	733	2.0	42	0.1	3
1962	36,983	19	0.1	5,882	15.9	14,246	38.5	8,743	23.6	4,817	13.0	2,497	6.8	737	2.0	39	0.1	3
1963	34,863	32	0.1	5,546	15.9	13,616	39.1	8,322	23.9	4,352	12.5	2,266	6.5	694	2.0	35	0.1	-
1964	33,500	30	0.1	5,356	16.0	13,302	39.7	7,986	23.8	4,088	12.2	2,079	6.2	619	1.8	38	0.1	2
1965	32,955	29	0.1	5,758	17.5	13,154	39.9	7,640	23.2	3,786	11.5	1,976	6.0	582	1.8	29	0.1	1
1966	32,446	31	0.1	5,989	18.5	13,044	40.2	7,688	23.7	3,352	10.3	1,781	5.5	521	1.6	38	0.1	2
1967	31,446	43	0.1	5,646	18.0	13,012	41.4	7,585	24.1	3,185	10.1	1,518	4.8	430	1.4	25	0.1	2
1968	32,136	39	0.1	5,789	18.0	13,071	40.7	8,304	25.8	3,170	9.9	1,332	4.1	405	1.3	25	0.1	1
1969	33,834	49	0.1	5,771	17.1	13,779	40.7	9,221	27.3	3,365	9.9	1,241	3.7	372	1.1	32	0.1	4
1970	35,353	41	0.1	6,027	17.0	14,587	41.3	9,778	27.7	3,373	9.5	1,195	3.4	324	0.9	27	0.1	1
1971	33,344	51	0.2	5,591	16.8	13,958	41.9	9,218	27.6	3,222	9.7	1,019	3.1	257	0.8	19	0.1	9
1972	31,308	52	0.2	5,531	17.7	12,374	39.5	9,141	29.2	3,046	9.7	920	2.9	226	0.7	12	0.0	6
1973	30,902	66	0.2	5,349	17.3	11,936	38.6	9,332	30.2	3,145	10.2	848	2.7	201	0.7	20	0.1	5
1974	32,506	66	0.2	5,356	16.5	12,612	38.8	10,039	30.9	3,465	10.7	810	2.5	145	0.4	8	0.0	5
1975	33,352	57	0.2	5,206	15.6	12,716	38.1	10,718	32.1	3,576	10.7	888	2.7	167	0.5	9	0.0	5
1976	34,840	67	0.2	5,367	15.4	12,895	37.0	11,386	23.7	3,992	11.5	935	2.7	180	0.5	11	0.0	7
1977	37,467	69	0.2	5,303	14.2	13,830	36.9	12,285	32.8	4,723	12.6	1,069	2.9	174	0.5	9	0.0	5
1978	38,964	72	0.2	5,588	14.3	13,906	35.7	12,710	32.6	5,319	13.7	1,181	3.0	178	0.5	7	0.0	3
1979	41,564	70	0.2	5,544	13.3	14,451	34.8	13,864	33.4	6,109	14.7	1,316	3.2	193	0.5	12	0.0	5
1980	43,091	71	0.2	5,658	13.1	14,912	34.6	14,297	33.2	6,499	15.1	1,456	3.4	185	0.4	11	0.0	2
1981	42,974	61	0.1	5,483	12.8	14,338	33.4	14,292	33.3	7,102	16.5	1,479	3.4	207	0.5	12	0.0	-
1982	41,012	52	0.1	4,783	11.7	13,422	32.7	13,534	33.0	7,202	17.6	1,765	4.3	241	0.6	13	0.0	-
1983	39,949	52	0.1	4,375	11.0	12,595	32.8	13,106	32.8	7,626	19.1	1,938	4.9	244	0.6	11	0.0	2
1984	39,536	56	0.1	4,245	10.7	12,035	30.4	12,783	32.3	7,961	20.1	2,193	5.5	248	0.6	13	0.0	2
1985	39,419	42	0.1	4,136	10.5	11,815	30.0	12,782	32.4	8,017	20.3	2,333	5.9	281	0.7	10	0.0	3
1986	38,850	64	0.2	4,159	10.7	11,334	29.2	12,308	31.1	8,067	20.8	2,574	6.6	327	0.8	13	0.0	4

* N.S. Indicates age not stated. Insignificant percentage.

TABLE 10. RESIDENT BIRTHS BY RACE OF CHILD, OREGON, 1955-1986

YEAR	TOTAL	RACE OF CHILD						
		White*	Black	Indian	Chinese	Japanese	Other	Not Stated
1955	38,678	37,575	526	309	74	135	59	-
1956	38,423	37,346	548	267	71	129	62	-
1957	37,828	36,705	530	340	80	121	52	-
1958	36,295	35,138	538	340	65	128	85	1
1959	36,634	35,384	599	376	69	128	78	-
1960	38,347	36,958	651	432	78	134	94	-
1961	37,475	36,128	585	451	72	148	91	-
1962	36,983	35,717	613	385	68	115	85	-
1963	34,863	33,545	617	418	72	105	106	-
1964	33,500	32,199	613	417	69	105	97	-
1965	32,955	31,671	590	425	66	112	91	-
1966	32,446	31,247	567	371	77	82	102	-
1967	31,446	30,270	583	368	63	74	88	-
1968	32,136	30,968	543	363	71	85	106	-
1969	33,834	32,427	626	451	95	95	139	1
1970	35,353	33,729	677	552	86	127	179	3
1971	33,344	31,850	654	478	90	106	158	8
1972	31,308	29,756	657	492	89	110	185	19
1973	30,902	29,349	621	510	77	113	214	18
1974	32,506	30,800	706	515	80	109	272	24
1975	33,352	31,487	760	567	97	117	290	34
1976	34,840	32,923	728	550	104	138	339	58
1977	37,467	35,361	894	527	109	134	369	73
1978	38,964	36,617	947	581	107	144	546	22
1979	41,564	38,983	977	627	147	151	661	18
1980	43,091	40,151	1,012	687	169	147	908	17
1981	42,974	39,863	920	660	154	163	1,211	3
1982	41,012	37,951	976	643	176	185	1,077	4
1983	39,949	37,065	982	688	171	169	871	3
1984	39,536	36,683	907	689	178	158	916	5
1985	39,419	36,509	981	674	165	190	892	8
1986	38,850	35,866	955	722	193	179	924	11

* Includes Hispanic.

TABLE 11. RESIDENT BIRTHS BY AGE OF MOTHER AND BIRTHWEIGHT, OREGON, 1986

BIRTH WEIGHT (IN GRAMS)	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +	N.S.
TOTAL..........	38,850	64	4,159	11,334	12,308	8,067	2,574	327	13	4
499 & LESS.....	24	-	1	10	4	8	-	1	-	-
500-999........	122	1	24	29	27	29	9	2	1	-
1000-1499......	178	-	25	46	56	32	16	2	1	-
1500-1999......	390	2	51	113	109	74	37	4	-	-
2000-2499......	1,279	-	190	377	375	245	73	18	-	1
2500-2999......	4,959	14	671	1,618	1,464	903	257	31	-	1
3000-3499......	13,278	27	1,555	4,070	4,174	2,527	815	102	6	2
3500-3999......	12,920	14	1,214	3,617	4,244	2,815	904	108	4	-
4000-4499......	4,696	6	370	1,196	1,535	1,166	375	47	1	-
4500-4999......	908	-	53	237	286	237	83	12	-	-
5000 & OVER.....	93	-	5	20	33	30	5	-	-	-
UNKNOWN........	3	-	-	1	1	1	-	-	-	-
COLUMN PERCENT TOTAL........	100.0%	100.0	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0	100%
% 1499 & LESS	.8	1.6	1.2	.7	.7	.9	1.0	1.5	15.4	-
% 1500-2499..	4.3	3.1	5.8	4.3	3.9	4.0	4.3	6.7	-	25.0
% 2500-4499..	92.3	95.3	91.6	92.7	92.8	91.9	91.3	88.1	84.6	75.0
% 4500 & OVER	2.6	-	1.4	2.3	2.6	3.3	3.4	3.7	-	-

- QUANTITY IS ZERO

TABLE 12. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER AND BIRTHWEIGHT, OREGON, 1986

BIRTH WEIGHT (IN GRAMS)	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +	N.S.
TOTAL..........	7,999	58	2,476	2,929	1,595	668	238	30	4	1
499 & LESS.....	11	-	1	6	1	3	-	0	-	-
500-999........	42	1	11	12	8	6	3	1	0	-
1000-1499......	54	-	15	15	10	8	5	0	1	-
1500-1999......	115	2	35	32	29	10	7	0	-	-
2000-2499......	402	-	123	144	90	33	9	2	-	1
2500-2999......	1,399	12	428	523	289	105	39	3	-	0
3000-3499......	2,955	25	940	1,123	549	236	70	10	2	0
3500-3999......	2,215	13	695	802	440	180	74	10	1	-
4000-4499......	690	5	200	220	155	79	27	4	0	-
4500-4999......	101	-	25	46	20	6	4	0	-	-
5000 & OVER....	13	-	3	5	4	1	0	-	-	-
UNKNOWN........	2	-	-	1	0	1	-	-	-	-
COLUMN PERCENT TOTAL........	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
% 1499 & LESS	1.3	1.7	1.1	1.1	1.2	2.5	3.4	3.3	25.0	-
% 1500-2499..	6.5	3.4	6.4	6.0	7.5	6.4	6.7	6.7	-	100.0
% 2500-4499..	90.7	94.8	91.4	91.1	89.8	89.8	88.2	90.0	75.0	.0
% 4500 & OVER	1.4	-	1.1	1.7	1.5	1.0	1.7	.0	-	-

- QUANTITY IS ZERO

TABLE 13. BIRTHS TO UNWED MOTHERS BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL BIRTHS	NUMBER UNWED	UNWED RATIO 1/
TOTAL	38,850	7,999	205.9
BAKER	184	28	152.2
BENTON	862	87	100.9-
CLACKAMAS	3,289	456	138.6-
CLATSOP	443	85	191.9
COLUMBIA	474	88	185.7
COOS	770	183	237.7+
CROOK	174	34	195.4
CURRY	189	31	164.0
DESCHUTES	939	165	175.7-
DOUGLAS	1,296	305	235.3+
GILLIAM	19	1	52.6-
GRANT	117	15	128.2-
HARNEY	119	14	117.6-
HOOD RIVER	279	33	118.3-
JACKSON	1,950	412	211.3
JEFFERSON	279	100	358.4+
JOSEPHINE	748	193	258.0+
KLAMATH	876	211	240.9+
LAKE	91	14	153.8
LANE	3,677	835	227.1+
LINCOLN	432	107	247.7+
LINN	1,272	283	222.5
MALHEUR	431	77	178.7
MARION	3,352	735	219.3+
MORROW	152	28	184.2
MULTNOMAH	8,624	2,195	254.5+
POLK	667	137	205.4
SHERMAN	21	3	142.9
TILLAMOOK	268	54	201.5
UMATILLA	963	224	232.6+
UNION	311	44	141.5-
WALLOWA	85	5	58.8-
WASCO	263	58	220.5
WASHINGTON	4,270	561	131.4-
WHEELER	11	1	90.9
YAMHILL	953	197	206.7

1/ RATIO PER 1,000 BIRTHS

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 14. RESIDENT BIRTHS BY AGE OF MOTHER AND LIVE BIRTH ORDER, OREGON, 1986

LIVE BIRTH ORDER	TOTAL	AGE OF MOTHER								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +	N.S.
TOTAL..........	38,850	64	4,159	11,334	12,308	8,067	2,574	327	13	4
FIRST..........	15,441	63	3,316	5,366	4,043	2,043	556	51	-	3
SECOND.........	13,182	-	717	4,054	4,629	2,908	803	69	2	-
THIRD..........	6,516	-	111	1,533	2,409	1,842	545	72	4	-
FOURTH.........	2,354	-	14	313	887	766	333	41	-	-
FIFTH..........	785	-	1	59	250	302	145	28	-	-
SIXTH..........	297	-	-	6	63	114	85	28	1	-
SEVENTH........	129	-	-	-	23	49	48	7	2	-
EIGHTH.........	56	-	-	1	2	24	19	9	1	-
NINTH +........	87	-	-	1	2	19	40	22	3	-
N.S............	3	1	-	1	-	-	-	-	-	1

- QUANTITY IS ZERO

TABLE 15. TOTAL PREGNANCIES BY TYPE OF OUTCOME AND AGE GROUPS, OREGON RESIDENCE/1, 1986

TYPE OF OUTCOME	TOTAL	AGE OF MOTHER								
		<15	15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL	50,335	149	7,135	15,081	14,755	9,453	3,174	450	21	118
LIVE BIRTHS	38,850	64	4,159	11,334	12,308	8,067	2,574	327	13	4
Percent	77.2	43.0	58.3	75.2	83.5	85.3	81.1	72.7	66.7	3.4
FETAL DEATHS	268	-	34	85	79	42	23	5	-	-
Percent	0.5	0.0	0.5	0.6	0.5	0.4	0.7	1.1	0.0	0.0
INDUCED ABORTIONS	11,217	85	2,942	3,662	2,368	1,344	577	118	7	114
Percent	22.3	57.0	41.2	24.2	16.0	14.3	18.2	26.2	33.3	96.6

- Quantity is zero.
/1 Induced abortion data are available by Oregon occurrence only.

TABLE 16. RESIDENT BIRTHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL BIRTHS	MOTHER'S AGE								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 PLUS	N.S.
TOTAL......	38,850	64	4,159	11,334	12,308	8,067	2,574	327	13	4
BAKER......	184	-	16	55	61	41	9	2	-	-
BENTON.....	862	1	45	200	288	252	68	7	-	1
CLACKAMAS..	3,289	2	272	824	1,090	788	281	30	2	-
CLATSOP....	443	-	48	128	139	97	26	5	-	-
COLUMBIA...	474	-	51	159	143	94	24	3	-	-
COOS.......	770	-	114	277	215	122	35	7	-	-
CROOK......	174	-	22	68	53	22	9	-	-	-
CURRY......	189	-	22	61	61	35	8	2	-	-
DESCHUTES..	939	3	126	265	272	204	63	6	-	-
DOUGLAS....	1,296	2	192	433	383	203	72	11	-	-
GILLIAM....	19	-	-	6	9	2	2	-	-	-
GRANT......	117	-	9	44	36	21	6	1	-	-
HARNEY.....	119	-	11	41	45	18	4	-	-	-
HOOD RIVER.	279	-	33	88	88	50	20	-	-	-
JACKSON....	1,950	7	241	609	586	351	136	19	1	-
JEFFERSON..	279	1	53	96	76	41	11	1	-	-
JOSEPHINE..	748	2	102	262	206	129	40	5	2	-
KLAMATH....	876	-	138	297	284	124	28	5	-	-
LAKE.......	91	-	10	36	25	14	6	-	-	-
LANE.......	3,677	9	394	1,084	1,074	808	277	30	1	-
LINCOLN....	432	1	48	128	138	91	23	3	-	-
LINN.......	1,272	2	150	429	426	205	52	8	-	-
MALHEUR....	431	1	49	137	127	88	22	7	-	-
MARION.....	3,352	12	408	1,057	1,032	626	183	33	1	-
MORROW.....	152	-	24	49	46	27	6	-	-	-
MULTNOMAH..	8,624	14	826	2,349	2,815	1,913	619	85	2	1
POLK.......	667	-	88	227	171	129	48	4	-	-
SHERMAN....	21	-	2	4	10	5	-	-	-	-
TILLAMOOK..	268	1	34	89	88	45	11	-	-	-
UMATILLA...	963	-	129	343	297	136	51	5	1	1
UNION......	311	-	39	91	97	68	14	2	-	-
WALLOWA....	85	-	7	29	29	17	3	-	-	-
WASCO......	263	-	29	88	83	50	12	-	-	1
WASHINGTON.	4,270	4	297	1,018	1,486	1,077	349	38	1	-
WHEELER....	11	-	1	4	3	2	1	-	-	-
YAMHILL....	953	2	129	259	326	172	55	8	2	-

- QUANTITY IS ZERO

TABLE 17. RESIDENT BIRTHS TO UNWED MOTHERS BY AGE OF MOTHER AND COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL	MOTHER'S AGE							
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 PLUS
TOTAL......	7,999	58	2,476	2,929	1,595	668	238	30	4
BAKER......	28	-	9	11	6	-	2	-	-
BENTON.....	87	1	21	37	17	7	4	-	-
CLACKAMAS..	456	2	149	161	79	38	24	3	-
CLATSOP....	85	-	23	25	21	10	5	1	-
COLUMBIA...	88	-	32	33	15	7	1	-	-
COOS.......	183	-	59	72	28	16	4	4	-
CROOK......	34	-	11	15	4	2	2	-	-
CURRY......	31	-	8	13	6	4	-	-	-
DESCHUTES..	165	3	68	59	22	11	2	-	-
DOUGLAS....	305	1	105	102	61	25	10	1	-
GILLIAM....	1	-	-	1	-	-	-	-	-
GRANT......	15	-	3	6	5	1	-	-	-
HARNEY.....	14	-	5	5	3	-	1	-	-
HOOD RIVER.	33	-	14	13	2	3	1	-	-
JACKSON....	412	7	127	145	88	28	13	4	-
JEFFERSON..	100	-	31	33	22	11	2	1	-
JOSEPHINE..	193	2	50	72	35	24	7	2	1
KLAMATH....	211	-	88	76	35	8	4	-	-
LAKE.......	14	-	3	7	2	1	1	-	-
LANE.......	835	8	257	297	152	88	31	2	-
LINCOLN....	107	1	27	35	34	8	2	-	-
LINN.......	283	2	87	112	61	12	8	1	-
MALHEUR....	77	1	17	31	16	12	-	-	-
MARION.....	735	10	243	279	125	57	18	3	-
MORROW.....	28	-	11	9	5	3	-	-	-
MULTNOMAH..	2,195	13	598	823	499	189	64	7	1
POLK.......	137	-	58	49	22	3	5	-	-
SHERMAN....	3	-	2	-	1	-	-	-	-
TILLAMOOK..	54	1	17	21	6	8	1	-	-
UMATILLA...	224	-	67	84	50	19	3	-	1
UNION......	44	-	20	14	7	3	-	-	-
WALLOWA....	5	-	1	3	1	-	-	-	-
WASCO......	58	-	13	30	8	5	2	-	-
WASHINGTON.	561	4	183	188	114	53	17	1	1
WHEELER....	1	-	1	-	-	-	-	-	-
YAMHILL....	197	2	68	68	43	12	4	-	-

\- QUANTITY IS ZERO

TABLE 18. RESIDENT BIRTHS BY SEX AND RACE OF CHILD AND COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL BIRTHS	MALE	FEMALE	RACE OF CHILD				
				WHITE 1/	BLACK	INDIAN	OTHER NON-WHITE	N.S.
TOTAL......	38,850	19,906	18,944	35,866	955	722	1,296	11
BAKER......	184	99	85	181	-	3	-	-
BENTON.....	862	434	428	769	15	6	72	-
CLACKAMAS..	3,289	1,672	1,617	3,157	24	19	89	-
CLATSOP....	443	226	217	429	-	5	9	-
COLUMBIA...	474	244	230	466	-	3	5	-
COOS.......	770	430	340	731	-	26	13	-
CROOK......	174	96	78	173	-	1	-	-
CURRY......	189	87	102	181	-	6	2	-
DESCHUTES..	939	508	431	916	1	10	12	-
DOUGLAS....	1,296	667	629	1,250	2	24	20	-
GILLIAM....	19	9	10	18	-	-	1	-
GRANT......	117	61	56	115	-	1	1	-
HARNEY.....	119	61	58	113	-	2	2	2
HOOD RIVER.	279	146	133	269	-	2	8	-
JACKSON....	1,950	967	983	1,912	4	15	19	-
JEFFERSON..	279	140	139	163	-	112	4	-
JOSEPHINE..	748	359	389	728	2	14	4	-
KLAMATH....	876	441	435	779	10	66	21	-
LAKE.......	91	49	42	88	-	2	1	-
LANE.......	3,677	1,875	1,802	3,504	34	45	94	-
LINCOLN....	432	205	227	415	3	14	-	-
LINN.......	1,272	676	596	1,249	2	10	11	-
MALHEUR....	431	218	213	401	3	6	15	6
MARION.....	3,352	1,713	1,639	3,158	29	62	103	-
MORROW.....	152	70	82	147	-	2	3	-
MULTNOMAH..	8,624	4,439	4,185	7,239	778	118	486	3
POLK.......	667	346	321	627	6	16	18	-
SHERMAN....	21	12	9	21	-	-	-	-
TILLAMOOK..	268	138	130	254	-	9	5	-
UMATILLA...	963	494	469	890	4	56	13	-
UNION......	311	146	165	301	2	5	3	-
WALLOWA....	85	33	52	85	-	-	-	-
WASCO......	263	139	124	245	-	14	4	-
WASHINGTON.	4,270	2,185	2,085	3,970	34	28	238	-
WHEELER....	11	6	5	11	-	-	-	-
YAMHILL....	953	515	438	911	2	20	20	-

- QUANTITY IS ZERO
1/ INCLUDES HISPANIC

TABLE 19. BIRTHS BY COUNTY OF OCCURRENCE, TYPE OF INSTITUTION, AND DELIVERY ATTENDANT, OREGON, 1986

COUNTY OF OCCURRENCE	TOTAL	BORN IN HOSPITAL OR ON ARRIVAL							
		TOTAL	M.D.	D.O.	N.D.	CNM	R.N.	OTHER MEDICAL	NON-MEDICAL
TOTAL......	40,093	38,573	35,843	1,040	2	1,607	54	8	19
BAKER......	126	121	119	-	-	-	-	-	2
BENTON.....	1,140	1,089	1,018	68	-	-	3	-	-
CLACKAMAS..	2,621	2,484	2,432	-	-	47	2	1	2
CLATSOP....	479	467	464	-	-	-	2	1	-
COLUMBIA...	96	87	87	-	-	-	-	-	-
COOS.......	768	749	726	-	-	23	-	-	-
CROOK......	98	93	89	3	-	-	-	-	1
CURRY......	96	54	14	25	-	14	1	-	-
DESCHUTES..	1,188	1,146	1,130	16	-	-	-	-	-
DOUGLAS....	1,196	1,169	946	90	-	132	1	-	-
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT......	98	91	91	-	-	-	-	-	-
HARNEY.....	71	70	69	-	-	-	-	-	1
HOOD RIVER.	214	201	190	11	-	-	-	-	-
JACKSON....	2,115	2,070	1,579	65	-	421	5	-	-
JEFFERSON..	214	206	205	-	-	-	-	1	-
JOSEPHINE..	773	660	646	9	-	-	2	-	3
KLAMATH....	869	858	826	6	-	26	-	-	-
LAKE.......	87	87	87	-	-	-	-	-	-
LANE.......	3,837	3,550	2,947	11	-	585	5	2	-
LINCOLN....	356	344	341	3	-	-	-	-	-
LINN.......	947	903	846	48	-	9	-	-	-
MALHEUR....	582	576	575	-	-	-	-	-	1
MARION.....	3,345	3,200	3,193	5	-	-	1	-	1
MORROW.....	9	6	-	6	-	-	-	-	-
MULTNOMAH..	12,656	12,355	11,852	223	1	269	1	2	7
POLK.......	304	277	202	75	-	-	-	-	-
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	174	167	167	-	-	-	-	-	-
UMATILLA...	784	763	747	6	-	-	9	1	-
UNION......	382	370	364	4	-	-	2	-	-
WALLOWA....	71	51	51	-	-	-	-	-	-
WASCO......	368	363	209	153	-	-	-	-	1
WASHINGTON.	3,329	3,267	2,961	213	-	80	13	-	-
WHEELER....	-	-	-	-	-	-	-	-	-
YAMHILL....	700	679	670	-	1	1	7	-	-

- QUANTITY IS ZERO

TABLE 19. BIRTHS BY COUNTY OF OCCURRENCE, TYPE OF INTSITUTION, AND DELIVERY ATTENDANT, OREGON, 1986

COUNTY OF OCCURRENCE	NOT BORN IN HOSPITAL									
	TOTAL	M.D.	D.O.	N.D.	D.C.	CNM	R.N.	MID-WIFE	OTHER MEDICAL	NON-MEDICAL
TOTAL......	1,520	176	1	217	31	400	69	465	16	145
BAKER......	5	-	-	-	-	-	-	5	-	-
BENTON.....	51	-	-	5	-	2	1	40	1	2
CLACKAMAS..	137	2	-	15	3	62	-	39	-	16
CLATSOP....	12	-	-	1	3	-	1	5	-	2
COLUMBIA...	9	-	-	1	-	1	-	6	-	1
COOS.......	19	1	-	-	-	-	1	14	-	3
CROOK......	5	-	-	4	-	-	-	-	-	1
CURRY......	42	6	-	-	-	33	1	1	-	1
DESCHUTES..	42	-	-	33	-	-	-	5	-	4
DOUGLAS....	27	3	-	-	-	-	-	15	2	7
GILLIAM....	-	-	-	-	-	-	-	-	-	-
GRANT......	7	-	-	-	-	-	-	6	-	1
HARNEY.....	1	-	-	-	-	-	-	-	-	1
HOOD RIVER.	13	-	-	7	-	-	-	3	-	3
JACKSON....	45	6	-	5	-	-	-	30	1	3
JEFFERSON..	8	2	-	4	-	1	-	-	-	1
JOSEPHINE..	113	5	-	1	-	75	5	22	-	5
KLAMATH....	11	-	-	-	-	-	-	6	-	5
LAKE.......	-	-	-	-	-	-	-	-	-	-
LANE.......	287	40	-	9	1	146	55	19	1	16
LINCOLN....	12	-	-	6	-	-	2	1	-	3
LINN.......	44	1	-	1	-	3	-	33	-	6
MALHEUR....	6	-	-	-	-	-	-	1	2	3
MARION.....	145	58	-	1	-	7	-	52	-	27
MORROW.....	3	-	-	-	-	-	-	2	-	1
MULTNOMAH..	301	31	-	105	18	47	2	76	5	17
POLK.......	27	-	1	-	-	16	-	7	1	2
SHERMAN....	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	7	-	-	1	-	-	-	3	1	2
UMATILLA...	21	-	-	-	-	-	-	18	-	3
UNION......	12	-	-	1	1	-	-	9	-	1
WALLOWA....	20	18	-	-	1	1	-	-	-	-
WASCO......	5	1	-	-	1	-	-	-	1	2
WASHINGTON.	62	1	-	14	1	5	-	34	1	6
WHEELER....	-	-	-	-	-	-	-	-	-	-
YAMHILL....	21	1	-	3	2	1	1	13	-	-

- QUANTITY IS ZERO

TABLE 20. LOW BIRTH WEIGHT INFANTS BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL	NUMBER			RATE		
		TOTAL LOW BIRTH WEIGHT	1499 GRAMS OR LESS	1500 TO 2499 GRAMS	TOTAL LOW BIRTH WEIGHT 1/	1499 GRAMS OR LESS	1500 TO 2499 GRAMS
TOTAL......	38,850	1,993	324	1,669	51.3	8.3	43.0
BAKER......	184	4	1	3	21.7-	5.4	16.3
BENTON.....	862	47	5	42	54.5	5.8	48.7
CLACKAMAS..	3,289	145	23	122	44.1	7.0	37.1
CLATSOP....	443	25	2	23	56.4	4.5	51.9
COLUMBIA...	474	24	4	20	50.6	8.4	42.2
COOS.......	770	40	8	32	51.9	10.4	41.6
CROOK......	174	11	1	10	63.2	5.7	57.5
CURRY......	189	5	4	1	26.5	21.2	5.3
DESCHUTES..	939	54	5	49	57.5	5.3	52.2
DOUGLAS....	1,296	81	12	69	62.5	9.3	53.2
GILLIAM....	19	1	-	1	52.6	.0	52.6
GRANT......	117	9	1	8	76.9	8.5	68.4
HARNEY.....	119	10	1	9	84.0	8.4	75.6
HOOD RIVER.	279	16	3	13	57.3	10.8	46.6
JACKSON....	1,950	102	17	85	52.3	8.7	43.6
JEFFERSON..	279	13	3	10	46.8	10.8	36.0
JOSEPHINE..	748	41	7	34	54.8	9.4	45.5
KLAMATH....	876	59	11	48	67.4+	12.6	54.8
LAKE.......	91	6	-	6	65.9	.0	65.9
LANE.......	3,677	194	30	164	52.8	8.2	44.6
LINCOLN....	432	17	3	14	39.4	6.9	32.4
LINN.......	1,272	63	8	55	49.6	6.3	43.3
MALHEUR....	431	21	5	16	48.7	11.6	37.1
MARION.....	3,352	156	20	136	46.5	6.0	40.6
MORROW.....	152	7	1	6	46.1	6.6	39.5
MULTNOMAH..	8,624	481	81	400	55.8	9.4	46.4
POLK.......	667	33	2	31	49.5	3.0	46.5
SHERMAN....	21	-	-	-	-	-	-
TILLAMOOK..	268	26	8	18	97.0+	29.9	67.2
UMATILLA...	963	42	6	36	43.6	6.2	37.4
UNION......	311	20	4	16	64.3	12.9	51.4
WALLOWA....	85	3	1	2	35.3	11.8	23.5
WASCO......	263	19	3	16	72.2	11.4	60.8
WASHINGTON.	4,270	170	36	134	39.8	8.4	31.4
WHEELER....	11	-	-	-	-	-	-
YAMHILL....	953	48	8	40	50.4	8.4	42.0

- QUANTITY IS ZERO

1/ ALL RATES PER 1,000 BIRTHS

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 21. RESIDENT BIRTHS BY RACE OF CHILD AND BIRTHWEIGHT, OREGON, 1986

BIRTH WEIGHT (IN GRAMS)	TOTAL	RACE OF CHILD				
		WHITE	HIS-PANIC	BLACK	INDIAN	CHI-NESE
TOTAL..........	38,850	34,061	1,805	955	722	193
499 & LESS.....	24	15	2	3	3	-
500-999........	122	101	5	8	-	1
1000-1499......	178	147	14	12	2	-
1500-1999......	390	327	21	21	4	2
2000-2499......	1,279	1,114	50	53	21	8
2500-2999......	4,959	4,161	254	196	97	23
3000-3499......	13,278	11,436	677	358	255	88
3500-3999......	12,920	11,558	551	227	247	57
4000-4499......	4,696	4,292	183	60	81	14
4500-4999......	908	825	42	15	11	-
5000 & OVER....	93	84	6	2	-	-
UNKNOWN........	3	1	-	-	1	-

BIRTH WEIGHT (IN GRAMS)	RACE OF CHILD					
	JAPA-NESE	HAWAI-IAN	FILI-PINO	OTHER ASIAN & P.I.	OTHER NON-WHITE	N.S.
TOTAL..........	179	56	127	735	6	11
499 & LESS.....	-	-	-	1	-	-
500-999........	3	-	-	2	1	1
1000-1499......	-	1	1	1	-	-
1500-1999......	2	1	-	12	-	-
2000-2499......	3	1	4	23	-	2
2500-2999......	35	8	17	167	-	1
3000-3499......	73	21	54	308	3	5
3500-3999......	46	19	35	177	2	1
4000-4499......	15	1	12	37	-	1
4500-4999......	1	4	4	6	-	-
5000 & OVER....	1	-	-	-	-	-
UNKNOWN........	-	-	-	1	-	-

- QUANTITY IS ZERO

TABLE 22. CONGENITAL MALFORMATIONS REPORTED ON BIRTH CERTIFICATES BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL	NERVOUS SYSTEM AND SENSE ORGANS				CIRCULATORY SYSTEM		DIGESTIVE SYSTEM		
		ANENCEPHALUS	SPINA BIFIDA	OTHER NERVOUS SYSTEM	SENSE ORGANS	HEART	OTHER	CLEFT PALATE AND/OR LIP	UPPER ALIMENTARY TRACT	OTHER
TOTAL......	481	9	5	12	9	41	6	43	5	10
BAKER......	1	-	-	-	-	-	-	-	-	-
BENTON.....	19	-	-	2	-	-	1	1	-	-
CLACKAMAS..	40	2	-	-	1	3	-	2	-	1
CLATSOP....	8	-	-	-	-	-	-	-	-	-
COLUMBIA...	5	-	-	-	-	-	-	-	-	-
COOS.......	16	-	-	-	-	2	-	-	-	-
CROOK......	5	-	-	-	-	-	-	-	-	-
CURRY......	3	-	-	1	-	-	-	-	-	-
DESCHUTES..	15	-	-	-	-	-	-	1	-	-
DOUGLAS....	17	-	2	1	-	2	1	-	1	1
GILLIAM....	1	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	-	-	-
HARNEY.....	4	-	-	-	-	2	-	-	-	-
HOOD RIVER.	6	-	-	1	-	1	-	1	-	-
JACKSON....	13	-	-	-	1	1	-	-	-	-
JEFFERSON..	7	1	-	-	-	1	-	1	-	-
JOSEPHINE..	19	1	-	-	1	4	1	-	-	-
KLAMATH....	11	-	-	-	1	1	1	3	-	-
LAKE.......	2	-	-	-	-	-	-	1	-	-
LANE.......	41	2	-	1	2	2	1	3	1	-
LINCOLN....	11	-	-	-	1	-	-	1	-	-
LINN.......	21	-	1	-	-	1	-	2	1	2
MALHEUR....	9	-	-	-	-	2	-	1	1	-
MARION.....	29	-	1	-	1	3	-	2	-	1
MORROW.....	12	-	-	-	-	-	-	-	-	1
MULTNOMAH..	77	3	-	4	1	7	-	14	-	2
POLK.......	11	-	-	-	-	2	-	2	-	-
SHERMAN....	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	4	-	-	-	-	-	-	-	-	-
UMATILLA...	24	-	-	-	-	2	1	-	-	1
UNION......	3	-	-	1	-	-	-	-	-	-
WALLOWA....	-	-	-	-	-	-	-	-	-	-
WASCO......	2	-	-	-	-	-	-	-	-	1
WASHINGTON.	32	-	1	1	-	3	-	6	1	-
WHEELER....	-	-	-	-	-	-	-	-	-	-
YAMHILL....	13	-	-	-	-	2	-	2	-	-

- QUANTITY IS ZERO

TABLE 22. CONGENITAL MALFORMATIONS REPORTED ON BIRTH CERTIFICATES
BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	GENITO-URINARY SYSTEM			MUSCULOSKELETAL SYSTEM					OTHER SPECIFIED SITES 1/			MULTIPLE SITES
	HYPOSPADIAS	OTHER GENITAL ORGANS	URINARY ORGANS	CLUBFOOT	POLYDACTYLY	SYNDACTYLY	CONGENITAL DISLOCATION OF HIP	OTHER	DOWN SYNDROME	SKIN	OTHER SPECIFIED SITES	
TOTAL......	33	23	9	33	11	6	10	51	23	55	77	10
BAKER......	-	-	-	-	-	-	-	-	-	1	-	-
BENTON.....	2	1	-	2	-	1	-	4	-	3	2	-
CLACKAMAS..	5	2	-	4	1	-	1	7	2	3	6	-
CLATSOP....	-	-	1	1	1	-	-	1	-	1	2	1
COLUMBIA...	-	1	-	1	-	-	-	1	-	1	1	-
COOS.......	3	-	-	1	-	1	-	1	-	2	6	-
CROOK......	-	1	-	2	-	-	-	-	-	1	1	-
CURRY......	-	-	-	-	-	1	-	-	-	1	-	-
DESCHUTES..	1	1	1	1	-	-	-	3	-	2	5	-
DOUGLAS....	1	-	-	1	1	-	-	1	1	-	4	-
GILLIAM....	-	1	-	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	-	-	-	-	-
HARNEY.....	-	-	-	-	-	-	-	1	-	1	-	-
HOOD RIVER.	1	-	-	-	-	-	1	-	-	-	1	-
JACKSON....	1	-	2	-	1	-	-	1	1	1	4	-
JEFFERSON..	-	1	-	-	-	-	-	1	-	-	2	-
JOSEPHINE..	1	1	-	1	-	-	-	-	4	1	4	-
KLAMATH....	1	-	-	2	-	-	-	-	-	1	1	-
LAKE.......	-	-	-	-	-	-	-	-	-	-	1	-
LANE.......	2	2	2	2	3	1	-	2	4	7	4	-
LINCOLN....	1	1	-	3	-	-	-	-	1	1	2	-
LINN.......	-	-	-	-	-	1	1	3	-	5	4	-
MALHEUR....	-	-	-	-	-	-	-	2	1	1	1	-
MARION.....	3	2	-	2	1	-	-	2	3	2	2	4
MORROW.....	-	1	-	2	-	-	-	-	-	7	1	-
MULTNOMAH..	6	2	3	2	2	1	2	12	3	4	9	-
POLK.......	-	-	-	1	1	-	1	1	-	-	3	-
SHERMAN....	-	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	2	-	-	-	-	-	1	-	-	1	-	-
UMATILLA...	2	4	-	1	-	-	1	1	-	6	4	1
UNION......	-	-	-	-	-	-	-	2	-	-	-	-
WALLOWA....	-	-	-	-	-	-	-	-	-	-	-	-
WASCO......	-	-	-	-	-	-	-	-	-	-	1	-
WASHINGTON.	1	1	-	2	-	-	1	3	2	2	5	3
WHEELER....	-	-	-	-	-	-	-	-	-	-	-	-
YAMHILL....	-	1	-	2	-	-	1	2	1	-	1	1

- QUANTITY IS ZERO
1/ SKIN CONGENITAL MALFORMATIONS INCLUDE BIRTHMARKS

TABLE 23. COMPLICATIONS OF PREGNANCY BY COUNTY OF RESIDENCE, OREGON RESIDENT BIRTHS, 1986

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH COMPLI-CATIONS	COMPLICATION			
			PRE-ECLAMPSIA	ANEMIA	HEMORRHAGE OF PREGNANCY	ECLAMPSIA
TOTAL......	38,850	7.8	705	269	140	13
BAKER......	184	3.8	3	-	-	-
BENTON.....	862	12.8	6	21	8	-
CLACKAMAS..	3,289	8.4	44	24	10	1
CLATSOP....	443	11.3	7	2	3	1
COLUMBIA...	474	7.6	15	1	-	-
COOS.......	770	9.7	18	5	2	2
CROOK......	174	6.3	2	-	2	-
CURRY......	189	5.3	3	1	-	-
DESCHUTES..	939	11.8	18	5	6	-
DOUGLAS....	1,296	4.1	26	1	2	-
GILLIAM....	19	5.3	-	-	1	-
GRANT......	117	4.3	2	-	-	-
HARNEY.....	119	5.9	3	-	1	-
HOOD RIVER.	279	9.0	2	4	-	1
JACKSON....	1,950	6.8	22	25	9	1
JEFFERSON..	279	5.4	8	1	-	-
JOSEPHINE..	748	6.8	11	3	7	-
KLAMATH....	876	11.5	18	34	6	-
LAKE.......	91	27.5	10	-	1	-
LANE.......	3,677	8.5	78	28	7	1
LINCOLN....	432	15.3	9	8	2	1
LINN.......	1,272	9.0	25	17	7	-
MALHEUR....	431	6.5	10	2	4	-
MARION.....	3,352	6.2	60	11	9	-
MORROW.....	152	7.9	4	-	-	-
MULTNOMAH..	8,624	6.9	147	43	17	2
POLK.......	667	5.5	7	2	1	-
SHERMAN....	21	9.5	-	-	-	-
TILLAMOOK..	268	13.4	11	4	4	-
UMATILLA...	963	7.9	18	8	5	-
UNION......	311	5.1	12	1	1	-
WALLOWA....	85	7.1	3	-	2	-
WASCO......	263	11.0	11	1	-	-
WASHINGTON.	4,270	6.9	63	15	15	1
WHEELER....	11	.0	-	-	-	-
YAMHILL....	953	9.1	29	2	8	2

- QUANTITY IS ZERO

TABLE 23. COMPLICATIONS OF PREGNANCY, OREGON, 1986, CONTINUED

COUNTY OF RESIDENCE	COMPLICATION					
	POLY-HYDRAMINIOS	POST-DATES (>42 WEEKS)	INCOMPETENT CERVIX	GESTATIONAL DIABETES	OTHER	MULTIPLE OF THOSE LISTED
TOTAL......	76	452	96	536	672	60
BAKER......	1	-	-	1	1	1
BENTON.....	3	28	1	13	26	4
CLACKAMAS..	6	24	9	79	69	10
CLATSOP....	2	5	2	13	13	2
COLUMBIA...	2	4	1	7	4	2
COOS.......	1	20	1	8	18	-
CROOK......	-	3	1	1	2	-
CURRY......	-	1	-	-	5	-
DESCHUTES..	2	19	7	8	46	-
DOUGLAS....	2	7	3	2	9	1
GILLIAM....	-	-	-	-	-	-
GRANT......	-	1	2	-	-	-
HARNEY.....	-	-	-	-	3	-
HOOD RIVER.	-	5	-	7	5	1
JACKSON....	1	13	4	20	38	-
JEFFERSON..	-	1	1	1	3	-
JOSEPHINE..	3	3	1	3	20	-
KLAMATH....	3	18	-	5	13	4
LAKE.......	1	5	-	2	5	1
LANE.......	6	62	5	58	62	4
LINCOLN....	1	12	2	17	13	1
LINN.......	6	21	3	8	26	2
MALHEUR....	-	5	-	1	6	-
MARION.....	6	57	3	23	35	3
MORROW.....	-	6	-	-	2	-
MULTNOMAH..	15	47	29	150	131	12
POLK.......	-	12	-	7	6	2
SHERMAN....	-	-	-	-	2	-
TILLAMOOK..	-	3	5	4	5	-
UMATILLA...	1	25	1	7	9	2
UNION......	-	1	-	-	1	-
WALLOWA....	-	-	-	-	-	1
WASCO......	1	11	-	2	2	1
WASHINGTON.	9	22	12	81	73	5
WHEELER....	-	-	-	-	-	-
YAMHILL....	4	11	3	8	19	1

-   QUANTITY IS ZERO

TABLE 24. CONCURRENT ILLNESS DURING GESTATION BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL BIRTHS	PERCENT WITH ILLNESS	CONCURRENT ILLNESS						
			CHRONIC HYPER-TENSION	RH SENSI-TIZATION	HERPES	DIABETES	ACUTE URINARY TRACT INFECTION	SYPHILIS	RUBELLA
TOTAL......	38,850	4.2	172	235	377	122	166	8	-
BAKER......	184	1.6	1	1	1	-	-	-	-
BENTON.....	862	3.8	3	1	9	1	6	-	-
CLACKAMAS..	3,289	4.2	19	8	43	8	13	-	-
CLATSOP....	443	6.1	2	-	7	1	7	1	-
COLUMBIA...	474	5.1	1	6	4	1	7	-	-
COOS.......	770	3.1	8	-	3	3	2	-	-
CROOK......	174	5.7	1	1	1	1	1	-	-
CURRY......	189	4.2	1	1	1	2	2	-	-
DESCHUTES..	939	5.9	3	3	12	4	8	-	-
DOUGLAS....	1,296	2.7	4	2	13	3	7	-	-
GILLIAM....	19	.0	-	-	-	-	-	-	-
GRANT......	117	1.7	-	-	-	-	-	-	-
HARNEY.....	119	4.2	-	1	2	-	-	-	-
HOOD RIVER.	279	5.4	5	-	4	1	2	1	-
JACKSON....	1,950	2.8	5	3	20	1	12	1	-
JEFFERSON..	279	2.9	-	-	2	1	-	-	-
JOSEPHINE..	748	5.2	2	1	10	1	6	-	-
KLAMATH....	876	4.3	4	-	4	4	3	-	-
LAKE.......	91	8.8	4	-	-	-	2	-	-
LANE.......	3,677	3.5	14	3	37	13	13	2	-
LINCOLN....	432	4.9	1	1	3	5	1	-	-
LINN.......	1,272	3.6	3	1	6	5	4	1	-
MALHEUR....	431	3.5	2	-	1	-	2	-	-
MARION.....	3,352	2.1	10	4	23	10	8	1	-
MORROW.....	152	15.1	4	12	-	-	4	-	-
MULTNOMAH..	8,624	5.5	46	94	105	30	28	1	-
POLK.......	667	4.5	-	1	12	-	3	-	-
SHERMAN....	21	.0	-	-	-	-	-	-	-
TILLAMOOK..	268	4.5	1	1	-	3	1	-	-
UMATILLA...	963	6.4	3	27	8	2	10	-	-
UNION......	311	1.9	-	1	2	-	1	-	-
WALLOWA....	85	4.7	1	-	1	-	-	-	-
WASCO......	263	6.5	2	1	3	2	2	-	-
WASHINGTON.	4,270	4.4	18	58	36	17	7	-	-
WHEELER....	11	9.1	-	-	-	-	-	-	-
YAMHILL....	953	2.4	4	3	4	3	4	-	-

- QUANTITY IS ZERO

TABLE 24. CONCURRENT ILLNESS DURING GESTATION, OREGON, 1986, CONTINUED

COUNTY OF RESIDENCE	CONCURRENT ILLNESS								
	THYROID DISEASE	HEART DISEASE	ABDOMINAL SURGERY	COMPLICATIONS FROM IUD	CHRONIC RENAL DISEASE	MALIGNANT DISEASE	EPILEPSY	OTHER	MULTIPLE OF THOSE LISTED
TOTAL......	36	37	32	13	11	9	57	338	35
BAKER......	-	-	-	-	-	-	-	-	-
BENTON.....	1	3	1	-	1	1	3	3	-
CLACKAMAS..	4	3	6	-	-	-	3	24	7
CLATSOP....	-	1	-	-	-	1	1	6	-
COLUMBIA...	-	-	-	1	-	-	-	4	-
COOS.......	-	-	-	-	-	-	-	6	2
CROOK......	-	-	-	-	-	-	2	3	-
CURRY......	-	-	-	-	-	-	-	1	-
DESCHUTES..	1	7	1	-	-	2	3	9	2
DOUGLAS....	2	-	-	-	-	-	1	3	-
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	2	-
HARNEY.....	-	-	-	1	-	-	-	1	-
HOOD RIVER.	-	-	-	-	-	-	-	2	-
JACKSON....	-	-	-	-	1	-	1	10	-
JEFFERSON..	1	-	1	1	-	-	-	2	-
JOSEPHINE..	-	1	1	-	1	1	2	12	1
KLAMATH....	1	-	2	2	1	1	2	14	-
LAKE.......	-	-	-	-	-	-	-	1	1
LANE.......	3	3	4	-	1	-	4	24	6
LINCOLN....	1	1	-	-	1	-	-	7	-
LINN.......	4	1	2	-	-	-	4	15	-
MALHEUR....	2	2	1	1	-	-	1	3	-
MARION.....	4	1	-	-	1	-	-	9	1
MORROW.....	-	1	-	-	-	-	-	-	2
MULTNOMAH..	5	10	5	3	3	-	18	120	9
POLK.......	-	1	2	-	1	1	1	8	-
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	-	-	1	1	-	1	2	-	1
UMATILLA...	-	-	2	2	-	1	1	6	-
UNION......	-	-	-	-	-	-	1	1	-
WALLOWA....	1	-	-	-	-	-	-	1	-
WASCO......	-	1	1	-	-	-	-	4	1
WASHINGTON.	5	1	2	1	-	-	6	33	2
WHEELER....	-	-	-	-	-	-	1	-	-
YAMHILL....	1	-	-	-	-	-	-	4	-

- QUANTITY IS ZERO

TABLE 25. MATERNAL RISK FACTORS BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY	LIVE BIRTHS	PERCENT							
		INADEQUATE CARE	UNDER 18 YEARS OF AGE	35 YEARS OR OLDER	4+ LIVE BIRTHS	NON-WHITE	LESS THAN 12 YEARS EDUCATION	UNWED	PLURAL BIRTH
TOTAL......	38,850	8.3	3.7	7.5	9.5	7.7	19.7	20.6	2.1
BAKER......	184	7.1	2.7	6.0	10.3	1.6	21.2	15.2	2.2
BENTON.....	862	3.2	1.3	8.7	7.8	10.8	10.3	10.1	3.2
CLACKAMAS..	3,289	7.8	2.6	9.5	8.5	4.0	13.9	13.9	1.3
CLATSOP....	443	6.3	3.8	7.0	10.8	3.2	18.5	19.2	1.8
COLUMBIA...	474	5.1	5.1	5.7	12.4	1.7	18.8	18.6	2.1
COOS.......	770	9.9	4.0	5.5	9.7	5.1	28.2	23.8	2.5
CROOK......	174	4.6	4.6	5.2	5.7	.6	23.0	19.5	2.3
CURRY......	189	5.8	3.7	5.3	6.9	4.2	12.2	16.4	4.2
DESCHUTES..	939	6.5	4.9	7.3	7.5	2.4	19.6	17.6	1.8
DOUGLAS....	1,296	7.8	4.6	6.4	9.4	3.5	22.8	23.5	1.5
GILLIAM....	19	5.3	.0	10.5	15.8	5.3	5.3	5.3	.0
GRANT......	117	5.1	2.6	6.0	6.8	1.7	12.0	12.8	.0
HARNEY.....	119	10.1	2.5	3.4	10.1	3.4	16.8	11.8	5.0
HOOD RIVER.	279	15.1	4.3	7.2	12.5	3.6	29.7	11.8	1.8
JACKSON....	1,950	11.1	3.9	8.0	9.9	1.9	22.0	21.1	2.0
JEFFERSON..	279	19.4	7.2	4.3	20.8	41.6	41.6	35.8	2.2
JOSEPHINE..	748	13.6	4.3	6.3	9.5	2.7	26.1	25.8	1.7
KLAMATH....	876	14.6	5.5	3.8	9.7	11.1	26.7	24.1	2.3
LAKE.......	91	5.5	1.1	6.6	7.7	3.3	19.8	15.4	1.1
LANE.......	3,677	10.9	3.7	8.4	8.2	4.7	19.8	22.7	1.6
LINCOLN....	432	6.7	4.4	6.0	9.7	3.9	25.2	24.8	2.8
LINN.......	1,272	7.9	3.8	4.7	10.8	1.8	22.6	22.2	2.0
MALHEUR....	431	10.9	5.6	6.7	22.7	5.6	28.8	17.9	2.3
MARION.....	3,352	7.6	4.4	6.5	12.3	5.8	24.3	21.9	2.4
MORROW.....	152	9.9	5.9	3.9	10.5	3.3	29.6	18.4	1.3
MULTNOMAH..	8,624	8.6	3.7	8.2	7.9	16.0	18.5	25.5	2.2
POLK.......	667	5.1	3.9	7.8	10.9	6.0	23.7	20.5	2.4
SHERMAN....	21	.0	4.8	.0	9.5	.0	9.5	14.3	.0
TILLAMOOK..	268	4.9	2.6	4.1	11.2	5.2	20.9	20.1	5.6
UMATILLA...	963	12.5	4.4	5.9	12.6	7.6	23.1	23.3	.8
UNION......	311	8.7	3.9	5.1	12.5	3.2	15.1	14.1	2.3
WALLOWA....	85	2.4	2.4	3.5	4.7	.0	9.4	5.9	.0
WASCO......	263	8.0	2.7	4.6	9.5	6.8	20.5	22.1	1.5
WASHINGTON.	4,270	4.1	2.5	9.1	8.1	7.0	13.5	13.1	2.3
WHEELER....	11	.0	9.1	9.1	18.2	.0	27.3	9.1	.0
YAMHILL....	953	8.7	4.8	6.8	14.6	4.4	22.1	20.7	2.1

NOTE: RISK FACTORS EXPRESSED AS PERCENTAGE OF MOTHERS FALLING INTO RISK CATEGORY.

TABLE 26. INADEQUATE PRENATAL CARE BY MOTHER'S AGE, OREGON RESIDENTS, 1986

MOTHER'S AGE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	38,850	3,236	35,478	136	83.3
< 15.......	64	18	45	1	281.3
15-19......	4,159	763	3,377	19	183.5
20-24......	11,334	1,208	10,078	48	106.6
25-29......	12,308	759	11,512	37	61.7
30-34......	8,067	354	7,689	24	43.9
35-39......	2,574	105	2,465	4	40.8
40-44......	327	27	298	2	82.6
45 +.......	13	2	11	-	153.8
N.S........	4	-	3	1	.0

- QUANTITY IS ZERO
1/ CARE BEGAN IN 3RD TRIMESTER OR LESS THAN 5 PRENATAL VISITS
2/ ALL RATES PER 1,000 BIRTHS

TABLE 27. INADEQUATE PRENATAL CARE BY RACE OF CHILD, OREGON RESIDENTS, 1986

RACE OF CHILD	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	38,850	3,236	35,478	136	83.3
WHITE......	34,061	2,502	31,441	118	73.5
HISPANIC...	1,805	333	1,464	8	184.5
BLACK......	955	161	791	3	168.6
INDIAN.....	722	146	573	3	202.2
CHINESE....	193	7	186	-	36.3
JAPANESE...	179	3	176	-	16.8
HAWAIIAN...	56	5	51	-	89.3
FILIPINO...	127	14	113	-	110.2
OTHER ASIAN & PACIFIC ISLANDER.	735	62	673	-	84.4
OTHER NON-WHITE	6	2	4	-	333.3
N.S........	11	1	6	4	90.9

- QUANTITY IS ZERO
1/ CARE BEGAN IN 3RD TRIMESTER OR LESS THAN 5 PRENATAL VISITS
2/ ALL RATES PER 1,000 BIRTHS

TABLE 28. INADEQUATE PRENATAL CARE BY EDUCATION OF MOTHER, OREGON RESIDENTS, 1986

MOTHER'S EDUCATION (IN YEARS)	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	38,850	3,236	35,478	136	83.3
ZERO.......	92	36	55	1	391.3
ONE........	25	3	22	-	120.0
TWO........	48	9	39	-	187.5
THREE......	87	24	62	1	275.9
FOUR.......	66	20	46	-	303.0
FIVE.......	75	15	60	-	200.0
SIX........	186	50	136	-	268.8
SEVEN......	123	37	86	-	300.8
EIGHT......	570	120	447	3	210.5
NINE.......	1,211	250	961	-	206.4
TEN........	2,388	461	1,917	10	193.0
ELEVEN.....	2,797	472	2,319	6	168.8
TWELVE.....	14,816	1,143	13,660	13	77.1
THIRTEEN...	3,834	166	3,665	3	43.3
FOURTEEN...	3,843	165	3,675	3	42.9
FIFTEEN....	1,428	57	1,370	1	39.9
SIXTEEN....	4,097	87	4,006	4	21.2
SEVENTEEN +	2,456	38	2,417	1	15.5
N.S........	708	83	535	90	117.2

- QUANTITY IS ZERO
1/ CARE BEGAN IN 3RD TRIMESTER OR LESS THAN 5 PRENATAL VISITS
2/ ALL RATES PER 1,000 BIRTHS

TABLE 29. INADEQUATE PRENATAL CARE BY BIRTH WEIGHT, OREGON RESIDENTS, 1986

BIRTH WEIGHT	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	38,850	3,236	35,478	136	83.3
499 & LESS.	24	10	13	1	416.7
500-999....	122	50	71	1	409.8
1000-1499..	178	46	130	2	258.4
1500-1999..	390	73	315	2	187.2
2000-2499..	1,279	193	1,077	9	150.9
2500-2999..	4,959	580	4,360	19	117.0
3000-3499..	13,278	1,142	12,092	44	86.0
3500-3999..	12,920	814	12,062	44	63.0
4000-4499..	4,696	269	4,416	11	57.3
4500-4999..	908	52	853	3	57.3
5000 & OVER	93	6	87	-	64.5
UNKNOWN....	3	1	2	-	333.3

- QUANTITY IS ZERO
1/ CARE BEGAN IN 3RD TRIMESTER OR LESS THAN 5 PRENATAL VISITS
2/ ALL RATES PER 1,000 BIRTHS

TABLE 30. INADEQUATE PRENATAL CARE BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL BIRTHS	PRENATAL CARE			RATE INADEQUATE 2/
		INADEQUATE 1/	ADEQUATE	NOT STATED	
TOTAL......	38,850	3,236	35,478	136	83.3
BAKER......	184	13	170	1	70.7
BENTON.....	862	28	833	1	32.5-
CLACKAMAS..	3,289	256	3,031	2	77.8
CLATSOP....	443	28	413	2	63.2
COLUMBIA...	474	24	449	1	50.6-
COOS.......	770	76	690	4	98.7
CROOK......	174	8	166	-	46.0-
CURRY......	189	11	127	51	58.2
DESCHUTES..	939	61	876	2	65.0
DOUGLAS....	1,296	101	1,193	2	77.9
GILLIAM....	19	1	18	-	52.6
GRANT......	117	6	111	-	51.3
HARNEY.....	119	12	104	3	100.8
HOOD RIVER.	279	42	236	1	150.5+
JACKSON....	1,950	216	1,732	2	110.8+
JEFFERSON..	279	54	225	-	193.5+
JOSEPHINE..	748	102	643	3	136.4+
KLAMATH....	876	128	744	4	146.1+
LAKE.......	91	5	86	-	54.9
LANE.......	3,677	402	3,273	2	109.3+
LINCOLN....	432	29	400	3	67.1
LINN.......	1,272	100	1,170	2	78.6
MALHEUR....	431	47	370	14	109.0
MARION.....	3,352	254	3,095	3	75.8
MORROW.....	152	15	137	-	98.7
MULTNOMAH..	8,624	742	7,862	20	86.0
POLK.......	667	34	633	-	51.0-
SHERMAN....	21	-	21	-	.0
TILLAMOOK..	268	13	255	-	48.5-
UMATILLA...	963	120	842	1	124.6+
UNION......	311	27	283	1	86.8
WALLOWA....	85	2	83	-	23.5-
WASCO......	263	21	241	1	79.8
WASHINGTON.	4,270	175	4,087	8	41.0-
WHEELER....	11	-	11	-	.0
YAMHILL....	953	83	868	2	87.1

- QUANTITY IS ZERO

1/ CARE BEGAN IN 3RD TRIMESTER OR NUMBER OF VISITS IS LESS THAN 5

2/ ALL RATES PER 1,000 BIRTHS

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY LESS THAN STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

FETAL DEATHS

FETAL DEATHS

Number and Ratio Increase

In 1986, the fetal death ratio was 6.9. In 1986, there were 268 fetal deaths, 137 males and 131 females. This is a 15.0 percent increase over the 1985 ratio. If we look back to earlier years, what becomes evident is that 1985 was a year characterized by an unusually low number and ratio of fetal deaths. Since 1974, the fetal death ratio has ranged from a high of 8.2 in 1974 to a low of 6.0 in 1985.

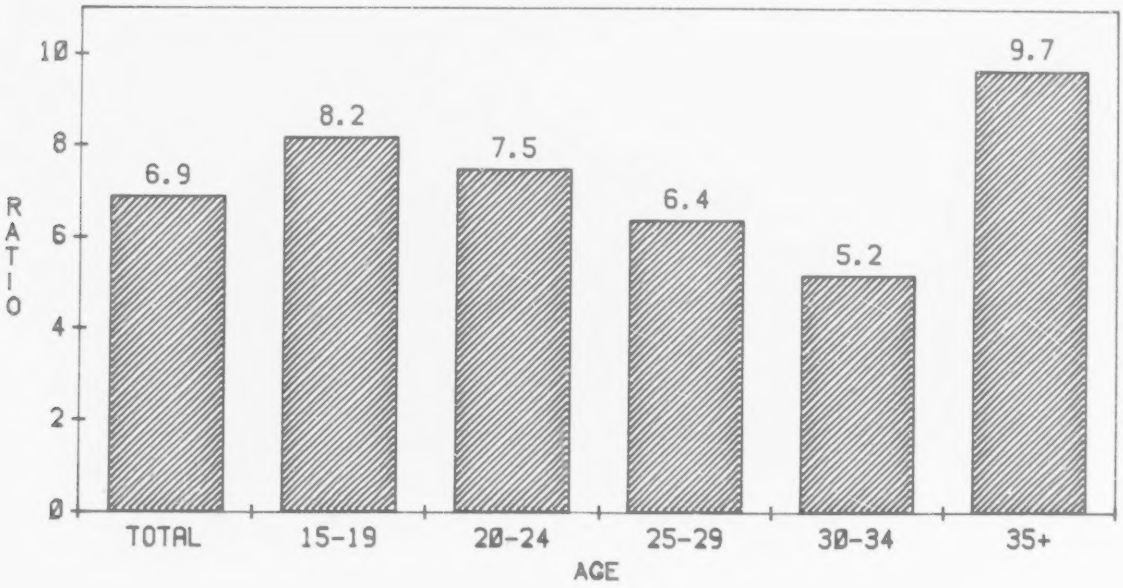
It is interesting to compare the 1986 fetal death ratio to that of 1928, the first year fetal death records were kept officially (Table 4). In 1928, the ratio was an incredible 29.0: there has been a 76.2 percent decline in the fetal death ratio. Clearly, prenatal health care has come a long way.

Distribution by Mother's Age

Both younger and older pregnant women were more likely to have a fetal death than women in their 20's and early 30's (Figure 6). While women age 20-34 accounted for the majority (76.9 percent) of the fetal deaths, the fetal death ratio for women age 15-19 was 26.2 percent higher than for women age 20-34. The fetal death ratio for women age 35 and over was 47.7 percent higher than for women age 20-34. Differences between the age groups should be viewed with caution, since the comparisons are based on small numbers.

FIGURE 6

FETAL DEATHS PER 1,000 LIVE BIRTHS BY AGE OF THE WOMAN
OREGON RESIDENTS, 1986



Distribution by Race

Most fetal deaths are to White women. This is not surprising, since the largest numbers of births are also to this racial group. The fetal death ratio by racial group does account for the differences in population size. Since the number of fetal deaths by minority groups is so small, they are grouped together for analysis as non-White. The comparison between groups is made more reliable by using a five-year span.

Excluding the 37 cases with unknown race from the computations, between 1982 and 1986, the fetal death ratio for the non-White group was 4.0, compared to the White group ratio of 6.4. The difference in rates is statistically significantly different.

Causes of Death

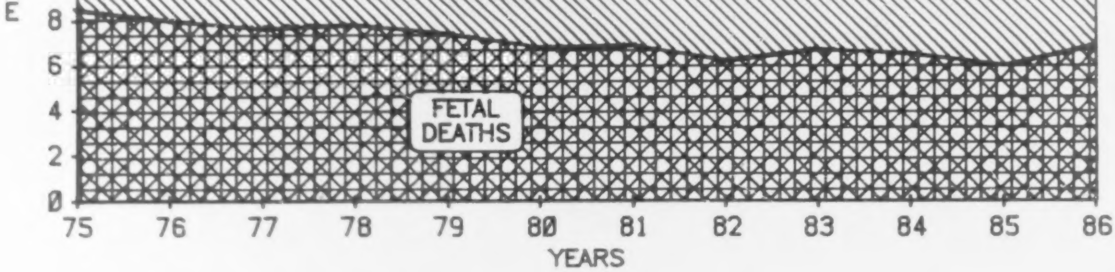
Complications of the placenta, cord, and membranes accounted for a plurality of the deaths (90; Table 31). Ranking second was other and ill-defined conditions (80), followed by maternal condition which may be unrelated to pregnancy (23), maternal complications of pregnancy (22), and congenital anomalies (19). These causes of death accounted for 87.3 percent of all 1986 fetal deaths. The rankings are identical to those of 1985.

Perinatal Deaths

Perinatal deaths include both fetal deaths and neonatal deaths; they may be considered as "...reflecting standards of obstetric and pediatric care as well as the effectiveness of social measures in general and of public health

FIGURE 7

PERINATAL DEATHS PER 1,000 LIVE BIRTHS
OREGON RESIDENTS, 1975–1986



actions in particular."1/ Perinatal deaths (Figure 7) in Oregon have declined over the last decade largely due to the rapid decline in neonatal deaths. Neonatal death rates have delcined 39.7 percent since 1977, while the fetal death ratio declined by 9.2 percent in the same time period. The 1986 perinatal death rate of 11.6 represents a 24.7 percent reduction of this rate in the last decade.

1/ A WHO Report on Social and Biological Effects on Perinatal Mortality, Vol. 1, World Health Organization, 1978.

TABLE 31. FETAL DEATHS BY WEEKS OF GESTATION AND CAUSE OF DEATH, OREGON, 1986

CAUSE OF DEATH	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
TOTAL	268	70	50	27	41	12	35	21	8	4
CONGENITAL ANOMALIES	19	3	5	3	4	2	2	-	-	-
MATERNAL CONDITION WHICH MAY BE UNRELATED	23	10	6	2	2	1	1	1	-	-
MATERNAL COMPLICATIONS OF PREGNANCY	22	17	3	-	1	-	1	-	-	-
COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	90	21	9	5	19	3	17	9	4	3
OTHER COMPLICATIONS OF LABOR AND DELIVERY	4	2	1	-	-	-	-	1	-	-
SLOW FETAL GROWTH AND MALNUTRITION	3	1	-	1	-	-	1	-	-	-
SHORT GESTATION AND LOW BIRTH WEIGHT	8	4	1	1	2	-	-	-	-	-
LONG GESTATION AND HIGH BIRTH WEIGHT	3	-	-	-	-	-	-	-	3	-
BIRTH TRAUMA	1	-	-	1	-	-	-	-	-	-
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	7	-	1	-	1	2	1	2	-	-
RESPIRATORY DISTRESS SYNDROME	-	-	-	-	-	-	-	-	-	-
OTHER RESPIRATORY	1	-	-	-	-	-	-	1	-	-
PERINATAL INFECTIONS	1	-	-	1	-	-	-	-	-	-
FETAL AND NEONATAL HEMORRHAGE	-	-	-	-	-	-	-	-	-	-
HEMOLYTIC DISEASE	2	-	1	-	1	-	-	-	-	-
OTHER PERINATAL JAUNDICE	-	-	-	-	-	-	-	-	-	-
ENDOCRINE OR METABOLIC DISTURBANCES	3	-	1	1	1	-	-	-	-	-
HEMATOLOGICAL DISORDERS	-	-	-	-	-	-	-	-	-	-
DIGESTIVE DISORDERS	-	-	-	-	-	-	-	-	-	-
INTEGUMENT & TEMPERATURE REGULATION	1	1	-	-	-	-	-	-	-	-
OTHER & ILL-DEFINED	80	11	22	12	10	4	12	7	1	1

- QUANTITY IS ZERO

TABLE 32. FETAL DEATHS BY WEEKS OF GESTATION AND AGE OF MOTHER, OREGON RESIDENTS, 1986

AGE OF MOTHER	TOTAL	WEEKS OF GESTATION								
		20-23	24-27	28-31	32-35	36	37-39	40	41+	N.S.
TOTAL..	268	70	50	27	41	12	35	21	8	4
15-19..	34	12	8	4	2	-	4	3	1	-
20-24..	85	25	10	12	16	5	11	5	1	-
25-29..	79	16	20	5	16	3	12	5	1	1
30-34..	42	13	7	4	2	2	6	4	3	1
35-39..	23	3	4	2	5	2	2	2	2	1
40-44..	5	1	1	-	-	-	-	2	-	1
45+....	-	-	-	-	-	-	-	-	-	-
N.S....	-	-	-	-	-	-	-	-	-	-

- QUANTITY IS ZERO

TABLE 33. FETAL DEATHS BY AGE OF MOTHER AND COUNTY OF RESIDENCE, OREGON, 1986

PLACE OF RESIDENCE	TOTAL	AGE OF MOTHER							
		15-19	20-24	25-29	30-34	35-39	40-44	45+	N.S.
TOTAL......	268	34	85	79	42	23	5	-	-
IN-STATE RATIO 1/......	6.9	8.2	7.5	6.4	5.2	8.9	15.3	-	-
BAKER......	2	-	-	2	-	-	-	-	-
BENTON.....	8	1	3	2	-	2	-	-	-
CLACKAMAS..	22	2	5	6	4	5	-	-	-
CLATSOP....	3	1	-	-	1	1	-	-	-
COLUMBIA...	1	-	-	1	-	-	-	-	-
COOS.......	3	-	-	3	-	-	-	-	-
CROOK......	-	-	-	-	-	-	-	-	-
CURRY......	2	-	2	-	-	-	-	-	-
DESCHUTES..	4	-	1	-	3	-	-	-	-
DOUGLAS....	9	2	1	2	3	1	-	-	-
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT......	-	-	-	-	-	-	-	-	-
HARNEY.....	2	-	-	-	2	-	-	-	-
HOOD RIVER.	3	-	-	-	-	1	2	-	-
JACKSON....	13	1	5	5	1	1	-	-	-
JEFFERSON..	1	-	1	-	-	-	-	-	-
JOSEPHINE..	4	2	1	-	-	1	-	-	-
KLAMATH....	6	-	4	-	-	1	1	-	-
LAKE.......	-	-	-	-	-	-	-	-	-
LANE.......	26	3	10	5	6	-	2	-	-
LINCOLN....	8	-	2	5	-	1	-	-	-
LINN.......	8	1	4	3	-	-	-	-	-
MALHEUR....	2	-	2	-	-	-	-	-	-
MARION.....	29	6	12	6	5	-	-	-	-
MORROW.....	-	-	-	-	-	-	-	-	-
MULTNOMAH..	55	6	16	22	7	4	-	-	-
POLK.......	6	2	-	3	-	1	-	-	-
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	2	1	-	-	1	-	-	-	-
UMATILLA...	8	1	4	-	1	2	-	-	-
UNION......	4	-	1	2	1	-	-	-	-
WALLOWA....	-	-	-	-	-	-	-	-	-
WASCO......	2	-	-	2	-	-	-	-	-
WASHINGTON.	27	4	8	9	5	1	-	-	-
WHEELER....	-	-	-	-	-	-	-	-	-
YAMHILL....	8	1	3	1	2	1	-	-	-

1/ RATIOS NOT CALCULATED FOR EVENTS OCCURRING FEWER THAN FIVE TIMES.
RATIOS PER 1,000 LIVE BIRTHS.
- QUANTITY IS ZERO

MORTALITY

Largest Decline in Resident Deaths Since 1974

Since 1982, both the number of deaths and the death rate had been increasing sharply in Oregon. However, during 1986 both declined, the number of deaths by 496 to 23,328, and the rate from 890.4 per 100,000 population to 877.2

The death rate for females increased yearly from 702.7 in 1979 to 807.2 in 1985, but declined slightly to 800.5 during 1986, overall a 14.9 percent increase since 1979. Among males, the rate fluctuated, first down, then up, with the 1986 rate identical (956.1) to the 1979 rate. Figure 8 shows that during 1986, the death rates increased for Oregonians under 45 years old, while declining among those 45 and older (Table 34). The median age of death during 1986 was 75 compared to 74 at the beginning of the decade (Figure 9). As in years past, females tended to live longer than males (Figure 10).

Prior to 1983, Oregon's death rate had been declining. Whether the decrease during 1986 is a resumption of that trend or due to random statistical variation is unknown. Notable exceptions in the decline were seen in deaths due to alcoholism, suicide, and homicide. For the third straight year, the death rate in Oregon exceeded that of the United States (870.8). One Oregonian dies every 23 minutes on the average.

Heart Disease Death Rates Dip

Heart disease death rates fell slightly from 306.2 in 1985 to 292.8 in 1986, but have changed little overall since the late 1970's. This masks, however, a dichotomy between the sexes: rates for males have fallen from 339.0 in 1980 to 321.7 in 1986, but risen for females from 244.3 to 264.9, an 8.4 percent increase.

Heart disease is the preeminent cause of death, accounting for more than one of every three resident deaths, or one death every 67 minutes. The Oregon death rate has consistently been lower than the national rate, and is 8.8 percent lower than the estimated 1986 national rate of 318.7. In recent years, residents of the northern Willamette Valley have been significantly more likely than other Oregonians to die from heart disease./1 Many conditions are included in the complex of heart disease. Most common are myocardial infarctions, coronary occlusions, coronary thromboses, and arteriosclerotic and cardiovascular heart disease, which comprise about 80 percent of all heart disease. The infarctions, occlusions and thromboses are acute, often terminal events, while the others represent chronic ailments of the cardiac function.

1/ Oregon Leading Causes of Mortality, 1976-1984. Center for Health Statistics, Health Division, Oregon Department of Human Resources, August 1986.

FIGURE 8

AGE-SPECIFIC DEATH RATES AND CAUSES, OREGON RESIDENTS, 1975-1986

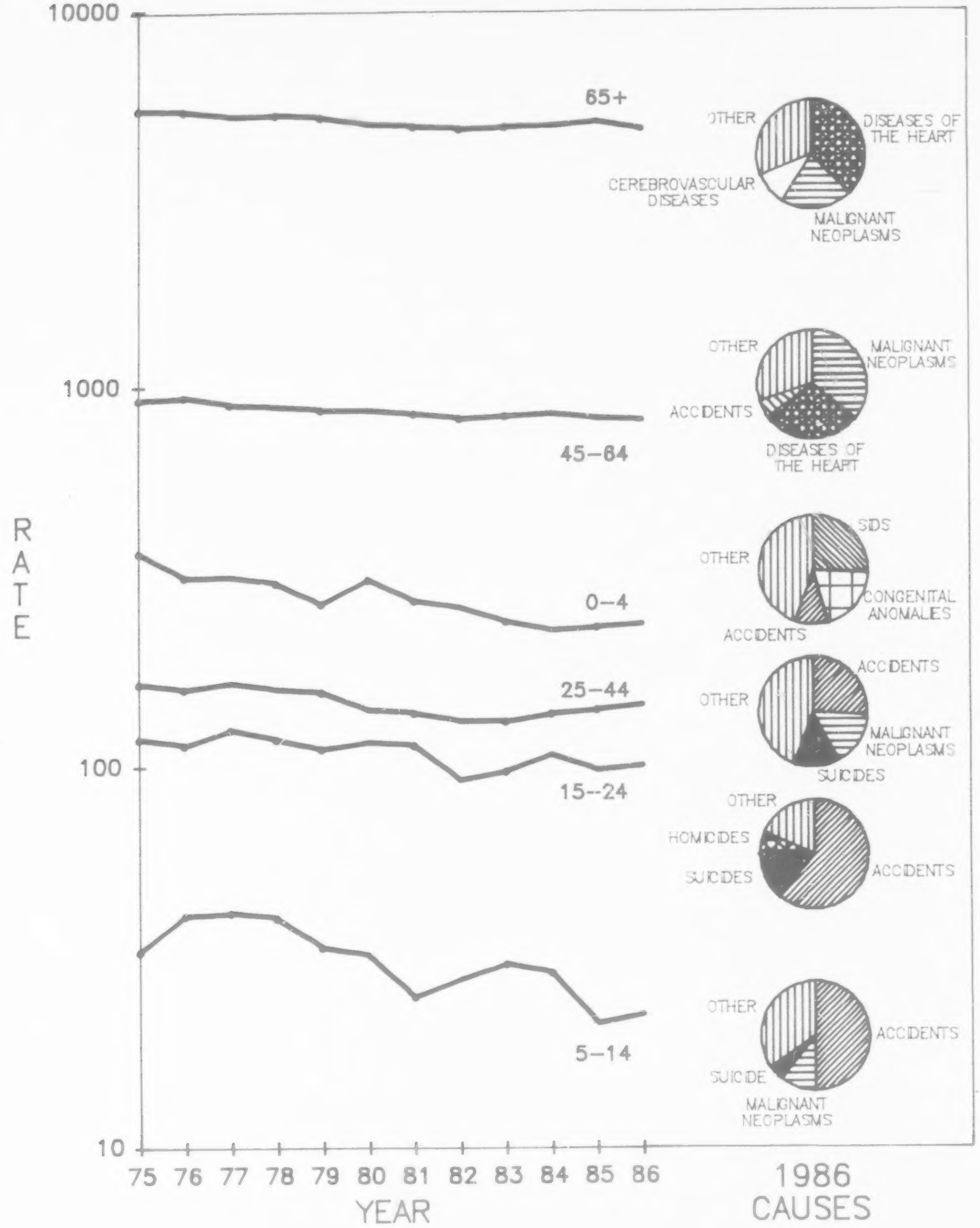


FIGURE 9

PROPORTION OF DEATHS BY SELECTED AGE GROUPS, OREGON RESIDENTS, 1920–1986

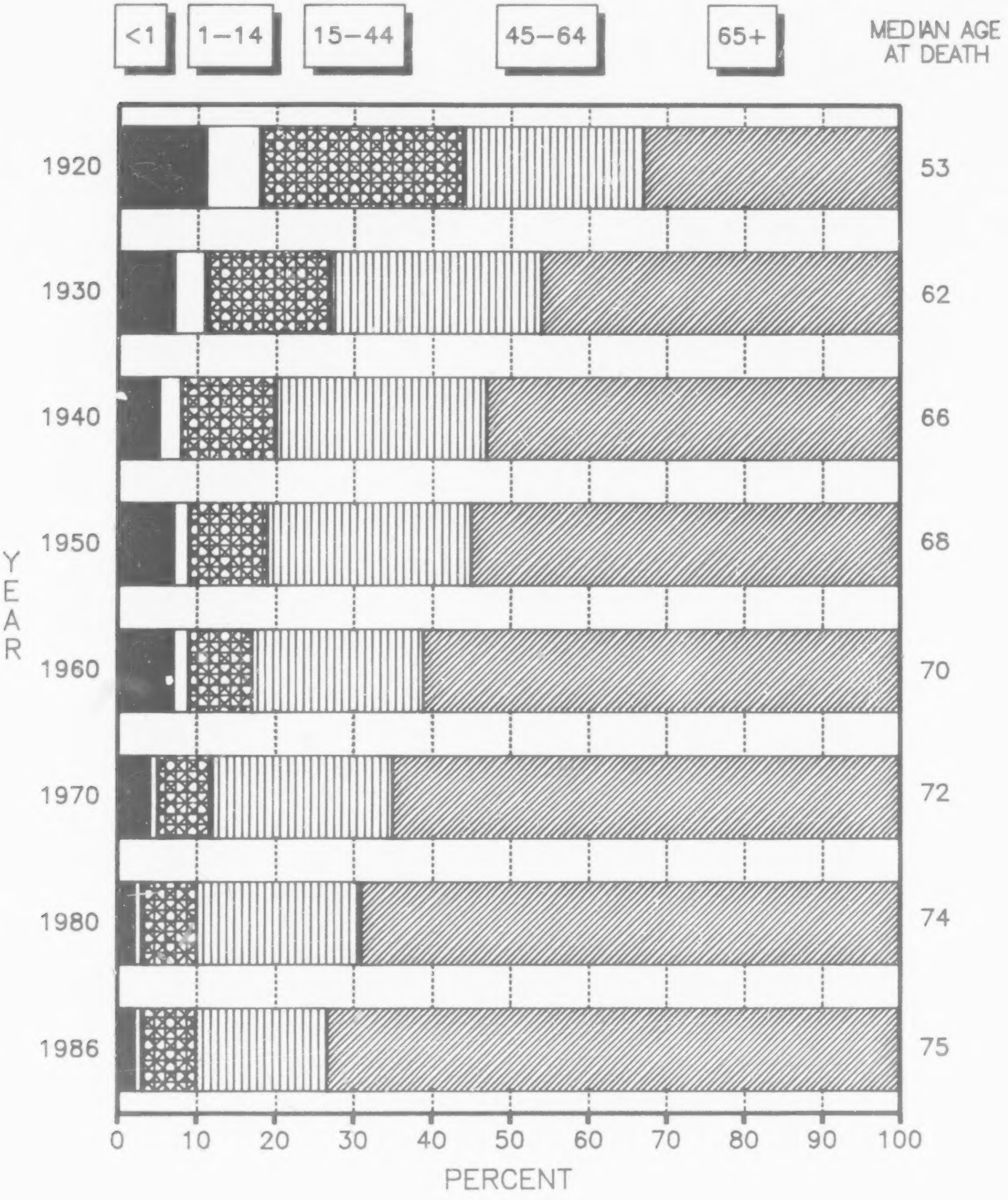


FIGURE 10

NUMBER OF MALE AND FEMALE DEATHS BY AGE OF DECEASED, OREGON RESIDENTS, 1986

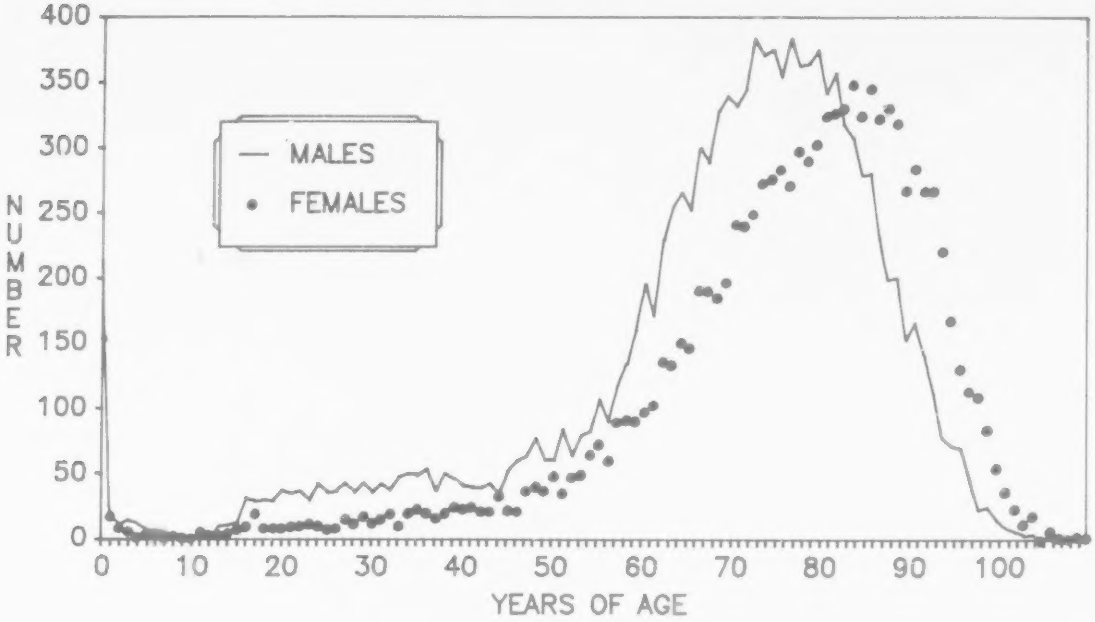
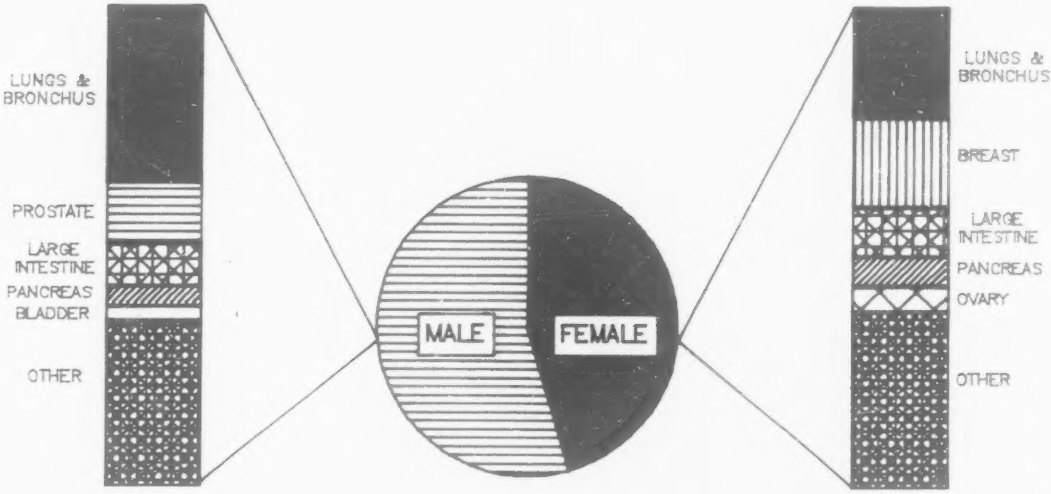


FIGURE 11

DISTRIBUTION OF MALIGNANT NEOPLASMS BY SEX AND SITE, OREGON RESIDENTS, 1986



Lung Cancer Among Women Up Sharply

Slightly fewer Oregonians died from malignant neoplasms during 1986 than the previous year; the rate dropped marginally from 202.2 to 198.2. Nonetheless, the long term trend has been upward. The lungs are the most common site for both males and females. Lung cancer deaths are becoming increasingly prevalent among women. A decade ago, there were 3.2 male deaths for every female. By 1986, the ratio declined to less than two to one. The male death rate for lung cancer was 4.1 times higher in 1986 than in 1950 (19.3 to 79.6), but soared 8.0 times for women (5.1 to 41.0). Overall, the total lung cancer death rate has more than quintupled, increasing from 11.6 to 60.0. Parenthetically, this has been accompanied by a sharp increase in chronic obstructive respiratory disease deaths. After lung cancer, the other common sites of malignant neoplasms for males are: prostate, large intestine, pancreas, and bladder (Figure 11). For females the sites are: breast, large intestine, pancreas, and ovary. In recent years malignant neoplasm death rates have been high in counties adjacent to the Columbia River as well as some coastal counties.1/ The Oregon death rate is marginally higher than the estimated national rate of 193.3. Cancer claims an Oregonian every 1.6 hours.

Oregon Cerebrovascular Disease Death Rates Exceed U.S.

Until 1983, the death rate for cerebrovascular disease was on a downward trend. Since then the rate has fluctuated and is currently at 1984 levels (Figure 12). The rate now stands at 72.4. Cerebrovascular disease ranks third overall after heart disease and malignant neoplasms, but fourth (56.0) among males following accidents (64.1). The cerebrovascular disease death rate for females is 88.3, 57.3 percent higher than for males (who tend to die at younger ages from other causes). The death rate for this cause has consistently been higher in Oregon than in the rest of the nation for the past 20 years; it is currently 18.1 percent above the estimated national rate of 61.3. Every 4.5 hours, on the average, an Oregon resident succumbs to cerebrovascular disease. Sudden circulatory crises such as strokes, cerebral thromboses and hemorrhages are common acute forms of these diseases; cerebral arteriosclerosis is a chronic form. These cerebral conditions account for about one death in ten, and are more common in the older age groups.

Unintentional Injury Deaths Resume Downward Trend

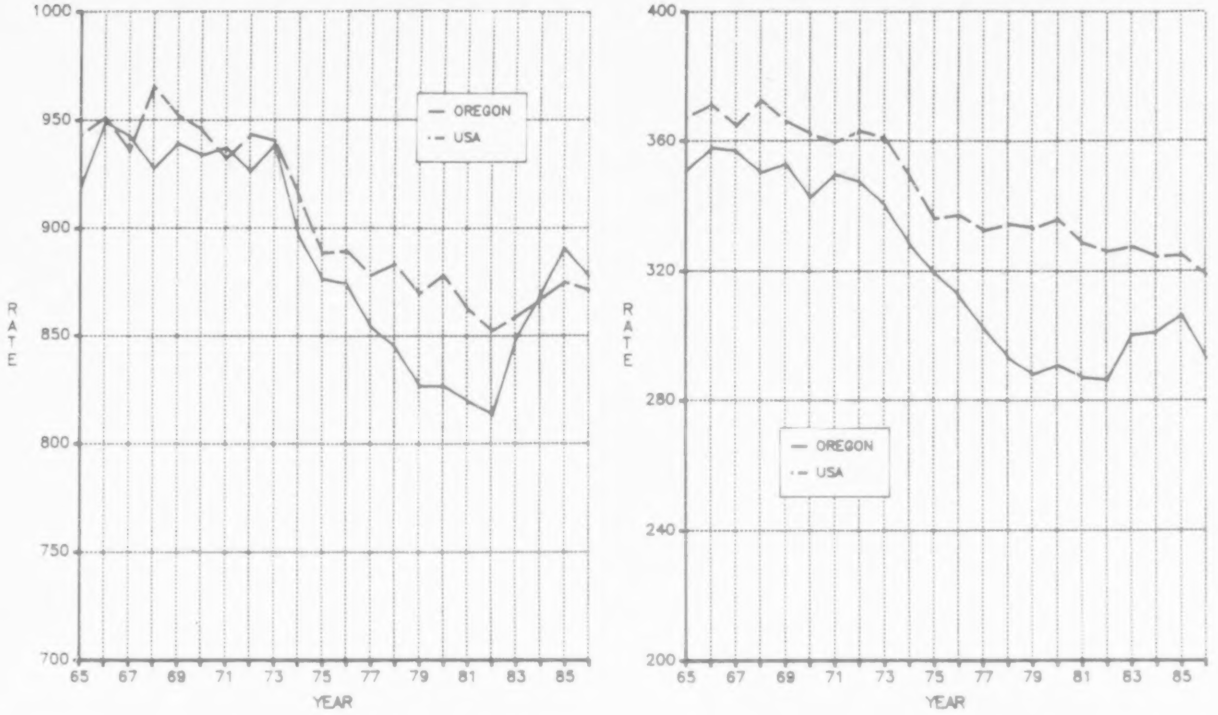
From the late 1970's to 1983, the unintentional injury* death rate had been declining in Oregon, mostly due to a decrease in unintentional injury deaths among males. During 1983 the downward trend reversed, with the rate increasing 9.5 percent. This upward trend continued in 1984 and 1985, but less dramatically, just 1.6 and 1.3 percent respectively during those two years (Figure 13). The rate dipped slightly during 1986 to 1984 levels. The Oregon death rate for unintentional injuries (44.5) is 12.1 percent above the

* Unintentional injury is synonymous with accident (external causes,

FIGURE 12

TOTAL DEATH RATES, OREGON AND USA, 1965–1986

HEART DISEASE DEATH RATES, OREGON AND USA, 1965–1986



MALIGNANT NEOPLASM DEATH RATES, OREGON AND USA, 1965–1986

CEREBROVASCULAR DISEASE DEATH RATES, OREGON AND USA, 1965–1986

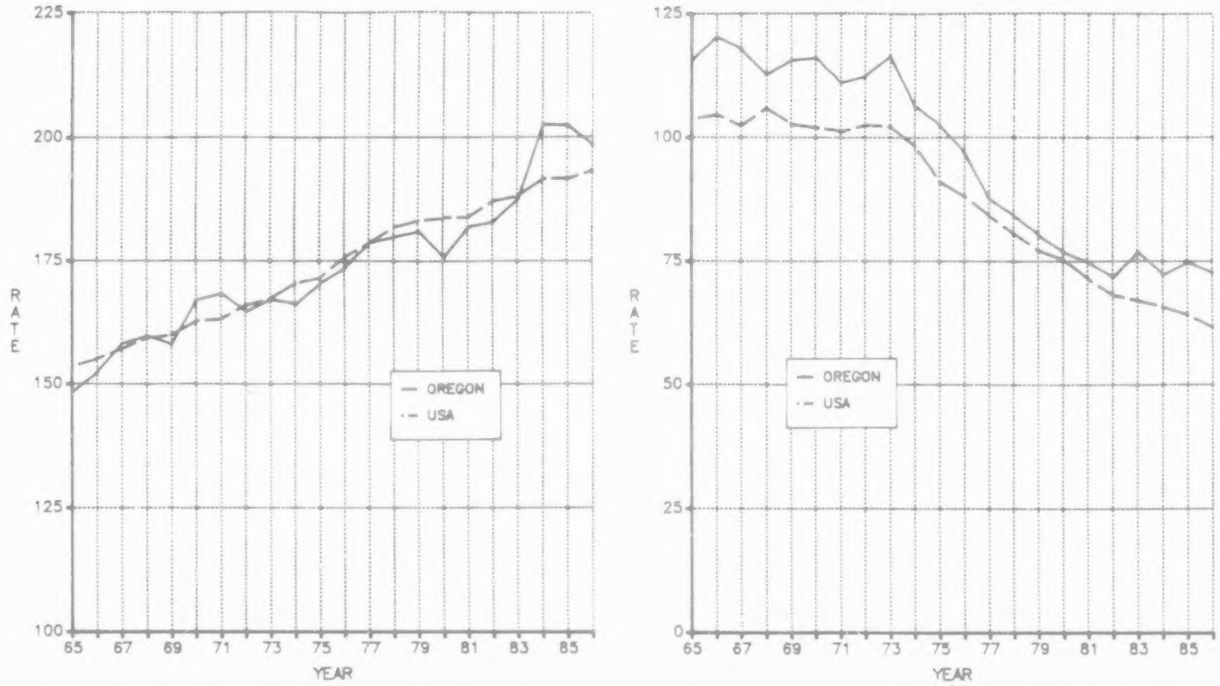
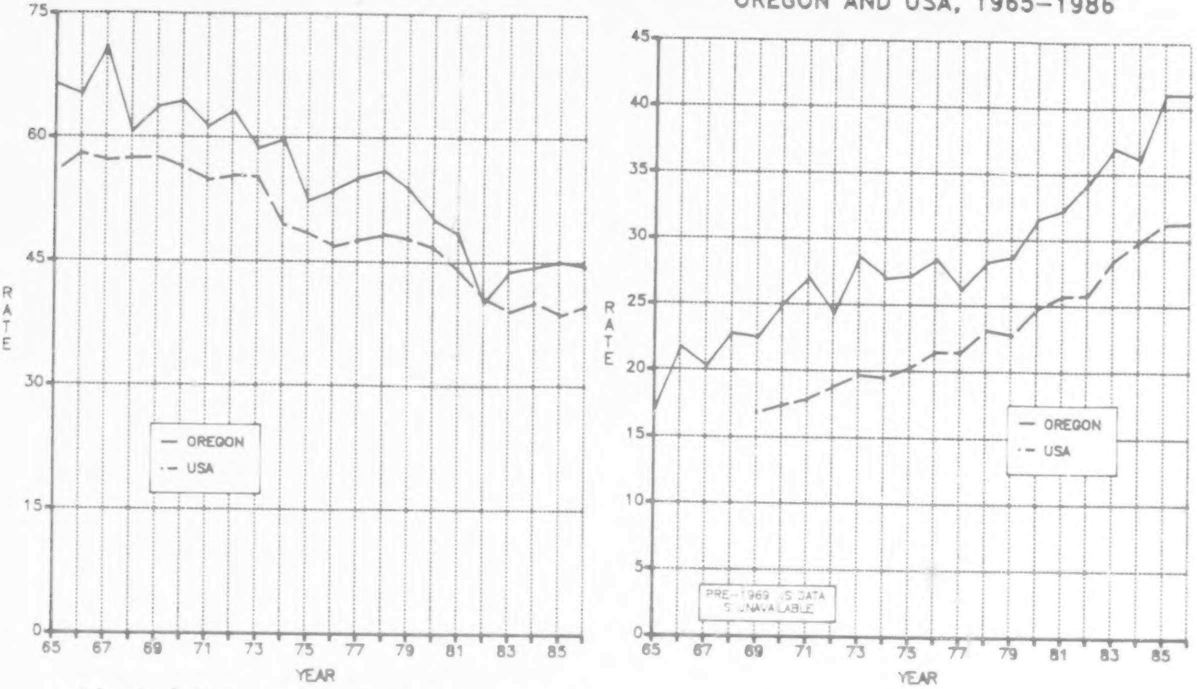


FIGURE 13



ACCIDENT DEATH RATES, OREGON AND USA, 1965–1986

CHRONIC OBSTRUCTIVE RESPIRATORY DISEASE DEATH RATES, OREGON AND USA, 1965–1986

estimated U.S. rate of 39.7. Rates for deaths due to unintentional injuries are typically higher east of the Cascade Range and in Central Oregon in particular./1 Unintentional injuries continue to be the leading cause of death for persons between 1 and 34 years of age (Figure 14). Motor vehicle unintentional injuries (638) account for over half of the total unintentional injury deaths (1,184) to Oregonians; six-tenths of the motor vehicle unintentional injury decedents were between 15 and 44 years of age. However, among victims of falls (162), the second most prevalent type of unintentional injury, most are 75 or older. Most fatal falls occur in the home. Drownings and poisonings rank third and fourth respectively. For the second straight year, more deaths occurred as a result of unintentional injuries in the home than in public (excluding unintentional injuries at work or motor vehicle-related). There were 221 such deaths compared to 218 in a public place. The death rate for unintentional injuries occurring in Oregon at work declined slightly in 1986; fifty-nine persons died as a result of an on-the-job unintentional injury. Every 7.4 hours, an unintentional injury claims the life of an Oregonian.

Female Chronic Respiratory Disease Deaths Set Record

Of the five leading causes of death, only the chronic obstructive respiratory disease rate failed to decline during 1986: the overall rate (41.0) remained unchanged. Nonetheless, it is 30.2 percent higher than during 1980 (Figure 15). This cause of death, which includes asthma, bronchitis, bronchiectasis, emphysema and COPD, is increasing 3.6 times faster among females than males. Between 1980 and 1986 the female rate

FIGURE 14

PERCENTAGE OF DEATHS BY CAUSE AND AGE, OREGON RESIDENTS, 1986

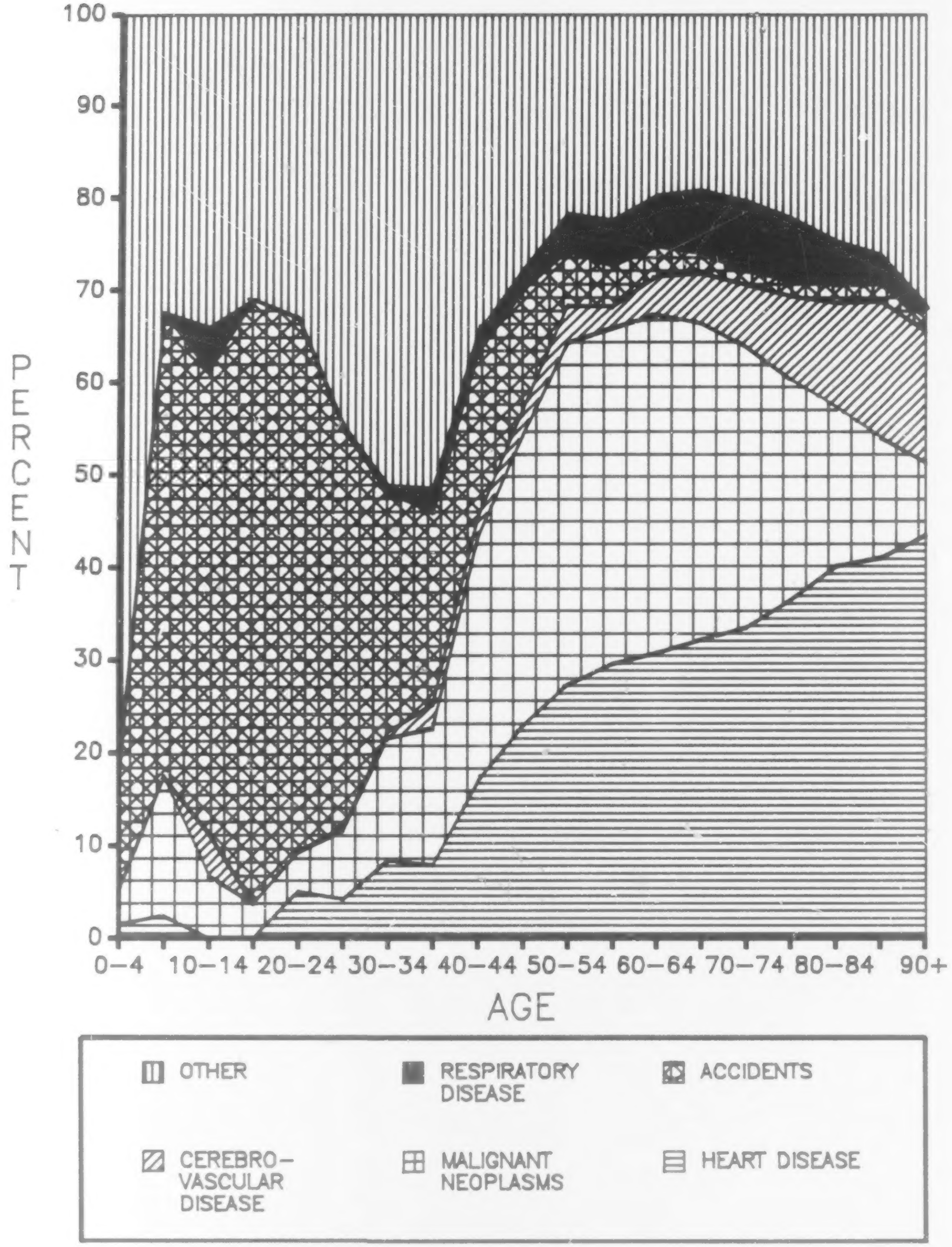
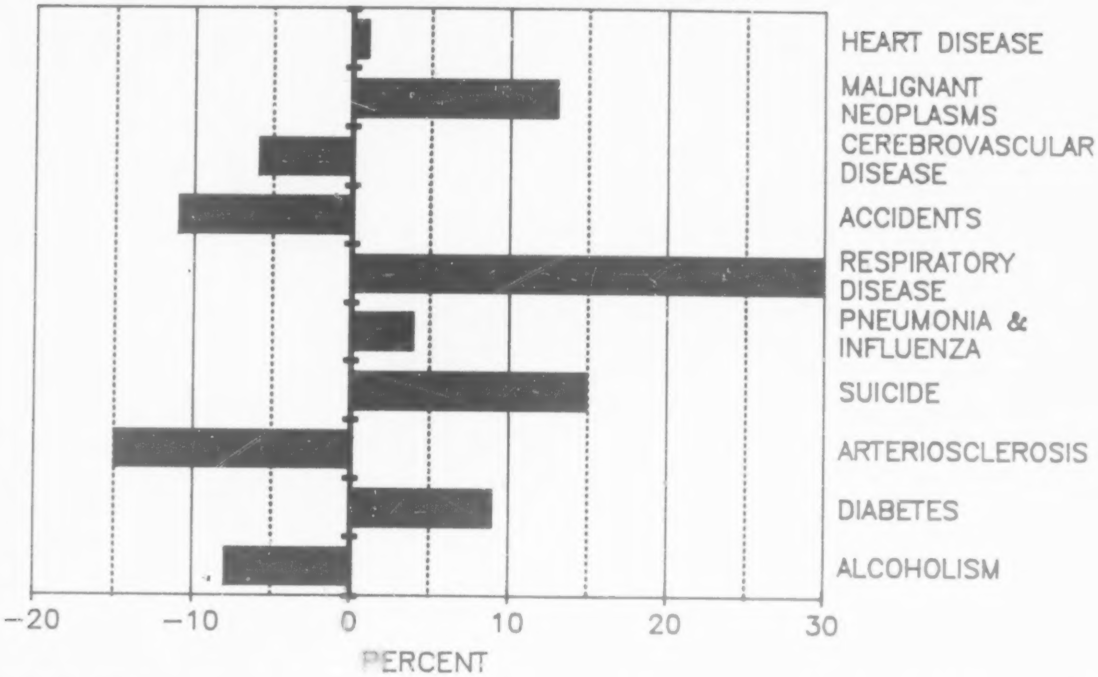


FIGURE 15

PERCENTAGE CHANGE IN THE DEATH RATES OF THE TEN LEADING CAUSES OF DEATH BETWEEN 1980 AND 1986, OREGON RESIDENTS



soared 54.7 percent, from 20.1 to 31.1. Despite a smaller increase among males (18.5 percent), the rates were and remain higher than for females; in 1980 the male death rate for this cause was 43.2 compared to 51.2 in 1986. Asthma and COPD deaths were responsible for the increase. The death rate for the former has increased 33.3 percent and the latter 51.6 percent since 1980. The other causes have declined slightly. In addition to the 1,090 Oregonians whose deaths were due to chronic obstructive respiratory diseases, these diseases contributed to the deaths of an additional 1,248 residents. Oregon's total rate is 31.0 percent higher than the estimated United States rate of 31.3. In Oregon, the highest rates have been in Southwest and Central Oregon./1 In Multnomah County, residents of low income census tracts are significantly more apt to die from this cause than those in high income tracts./2 Every 8.0 hours an Oregonian dies as a consequence of chronic obstructive respiratory disease.

Pneumonia and Influenza Death Rates Still High

Although the pneumonia and influenza death rate declined 10.9 percent between 1985 and 1986, the rate is still the second highest of the past ten

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2/ Leading Causes of Mortality, Multnomah County, Oregon, 1976-1984. Center for Health Statistics, Health Division, Department of Human Resources, June 1986.

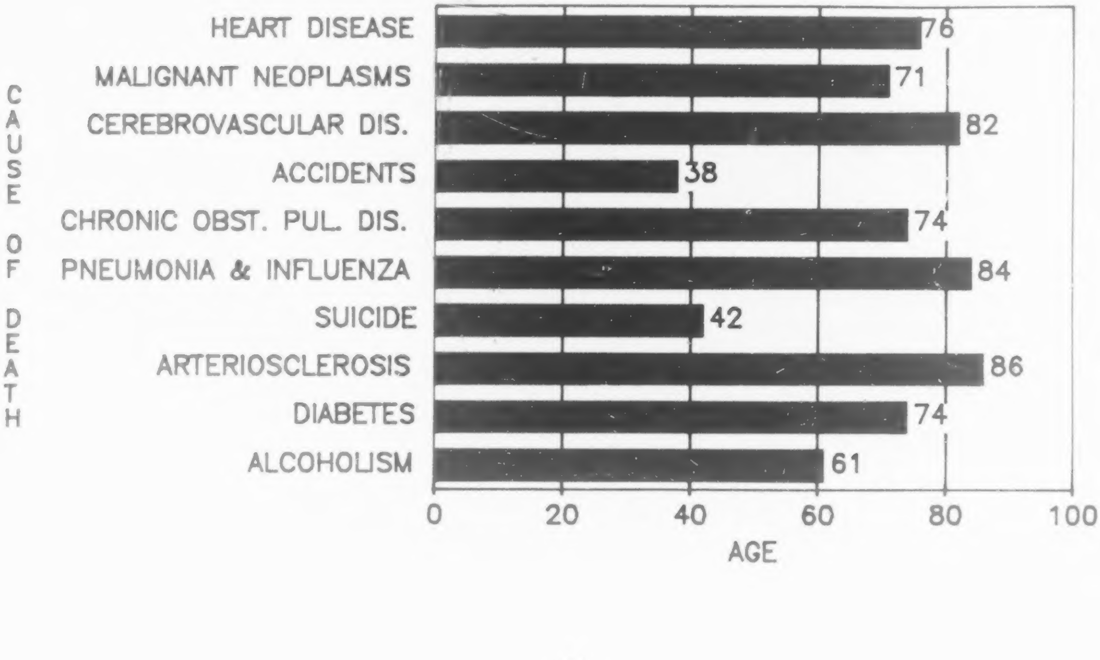
years. This is the sixth leading cause of death overall, but the fifth leading cause among persons 65 and older. Typically, the pneumonia and influenza mortality rate is higher for females than males, and this was true during 1986, when rates of 28.0 and 27.8 respectively, were recorded. Oregon's mortality rate (27.9) is 4.7 percent lower than the estimated national rate of 29.2. Every 11.8 hours, pneumonia or influenza claims an Oregonian.

Another Record Low Arteriosclerosis Death Rate

For the fifth straight year the arteriosclerosis death rate declined. It is now 15.1 percent lower than during 1980. Despite this improvement, Oregonians continue to die from this cause at a markedly greater frequency compared to all U.S. residents. The Oregon rate of 15.7 is 70.1 percent higher than the national rate of 9.2. Arteriosclerosis is the tenth leading cause of death nationally, but ranks eighth in Oregon. The rate for males was 11.8, compared to 20.3 for females. Among the ten leading causes of death, decedents with this disease have the highest median age of death (Figure 16). An Oregon resident succumbs to arteriosclerosis every 20.3 hours. Figures do not include all deaths involving arteriosclerosis since many have been classified to more specific manifestations of cardiac and cerebral disease.

FIGURE 16

MEDIAN AGE AT DEATH FOR THE TEN LEADING CAUSES OF DEATH, OREGON RESIDENTS, 1986



Record High Number of Oregonians Commit Suicide

Four hundred fifty Oregonians committed suicide during 1986. Both the number and rate (16.9) are the highest ever recorded for the state. Males were nearly three times as likely to kill themselves as females, with rates of 17.8 and 6.4, respectively. Male rates become increasingly higher in older age groups, with the rate for men 75 or older over twice as high as their younger counterparts. But among elderly women, the rate drops dramatically. Guns are the most popular method (63.1 percent) of suicide, and accounted for most of the increase in deaths, followed by poisons (18.0 percent) and hanging (11.6 percent). However, the method varies within different age and sex cohorts. One formerly obscure method became more common during 1986; the number of suicides using plastic bags for suffocation increased from 2 in 1985 to 8 in 1986. This method was used almost exclusively by elderly women. As in the past, the rate for Oregon is substantially higher (29.0 percent) than for the U.S., 16.9 for the former compared to 13.1 for the latter. Rates are typically higher east of the Cascades. An Oregonian takes his or her own life every 19.5 hours on the average.

Diabetes Mellitus Death Rates Fluctuate

The death rate increased from 11.8 during 1985 to 12.3 during 1986 for the ninth leading cause of death, diabetes mellitus. For the past ten years the rate has varied between 11.2 and 13.9, exhibiting no clear trend. Historically, the rates have been higher for women than men, as was the case during 1986 where rates of 13.1 and 11.6, respectively, were recorded. Diabetes ranks as the seventh leading cause of death nationally, with a rate of 15.1, but only ninth in Oregon, where the rate is 12.3. Every 26.7 hours, diabetes claims the life of an Oregonian.

Alcoholism Deaths Increase

More Oregonians died from alcoholism during 1986 than the previous year. The death rate increased 6.1 percent to 12.2. Nonetheless, the overall trend for the past decade has been a reduction in the death rate. Alcoholism is the tenth leading cause of death overall, but ranks eighth among men. This complex of diseases includes alcoholic psychosis, alcoholic dependence syndrome, alcoholic gastritis, alcoholic cardiomyopathy, alcoholic polyneuropathy and alcoholic liver disease. The latter accounts for 81.2 percent of the deaths. Two of every five alcoholism deaths occurred to Multnomah County residents, although only one in five Oregonians reside in that county. A natural alcohol death occurs every 27.0 hours. Actually, if accidental deaths, suicides and homicides which involved alcohol were included, this category would rank substantially higher. Because the Oregon Center for Health Statistics queries physicians about deaths which might involve alcohol and few other states do, the rate for the natural effects of alcohol is not comparable to total U.S. data.

Homicide Rates Soar

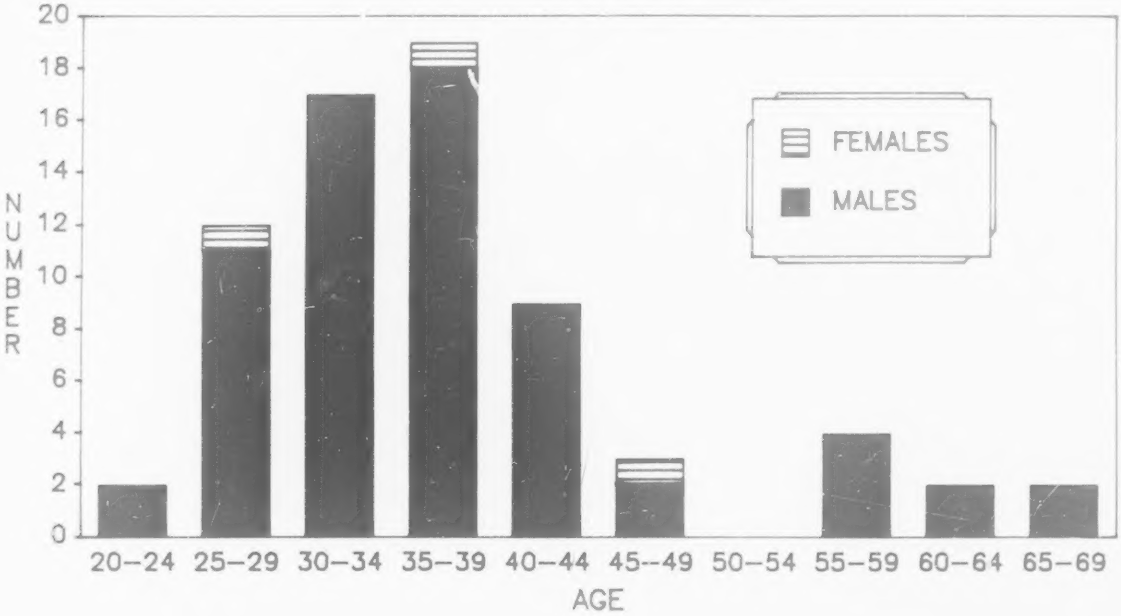
The number of murders increased dramatically during 1986 to 181, up from 123 the year before. The rate soared 47.8 percent from 4.6 to 6.8, although still less than the national rate of 8.9. Both the number and rate are the highest ever recorded in Oregon; homicide became the twelfth leading cause of death, compared to sixteenth in 1985. Proportionally, the increase was much greater among women; two times as many women were slain during 1986 (66) as were during 1985 (34). The increase in homicides occurred among almost all sex-age groups. Much of the increase occurred in murders with guns; two times as many people were killed with these weapons during 1986 (96) than during 1985 (49). Two-thirds of the gun-related homicides were committed with handguns (where the gun type was known). Large increases in the number of homicides occurred to the residents of the following counties: Clackamas (4 in 1985, 14 in 1986); Deschutes (1, 8); Lane (6, 14); Marion (9, 19); and Multnomah (33, 53). On the average, an Oregonian was murdered every other day.

AIDS Deaths Nearly Triple

Acquired Immune Deficiency Syndrome (AIDS) claimed 70 Oregonians during 1986. By comparison, 24 residents died from the disease in 1985, six in 1984, and two in 1983. Parenthetically, in addition to the 70 Oregonians who died, 11 residents of other states also died from AIDS in Oregon during the year. Nearly all (95.7 percent) of the decedents were male; three were female. Most were 30-39 years old, but the range was 23-67 years of age. The median age was 35. Figure 17 illustrates the age composition. About

FIGURE 17

NUMBER OF AIDS DEATHS BY AGE AND SEX, OREGON RESIDENTS, 1986



three in four (74.3 percent) of the deaths occurred to single persons. The marital status of the others was: divorced, 12.9 percent; married, 11.4 percent; widowed, 1.4 percent. All of the decedents were White. On the average, an Oregonian died from AIDS every 5.2 days.

No unique series of International Classification of Disease codes was assigned to AIDS by the National Center for Health Statistics until 1987. For that reason, AIDS deaths for 1986 and previous years were classified to complications arising from the disease such as Pneumocystis pneumonia, Kaposi's sarcoma, general immune disorders, or other diseases. For this summary, 1986 deaths were selected by assigning 1987 codes. All future annual reports will use the new codes, but the reader should be aware that in this report, AIDS deaths are included in various infectious disease, malignant neoplasm, and other categories.

Years of Life Lost

Mortality rates alone do not show the complete impact upon society of certain causes of death. The deaths of young people are of a greater "cost" to society than deaths of older people in terms of lost years. The years of life lost index multiplies the number of deaths in each category by the average number of years remaining in their lifetime. (Statisticians usually assume individuals have 65 or 70 years of "productive" life; the Oregon Center for Health Statistics uses 70 when calculating the years of life lost index.) This method places more emphasis on causes which affect the young. Figures 18 and 19 demonstrate the disparity between death rates and the years of life lost. Compared to crude death rates, both traumatic deaths and causes associated with infancy rank higher when years of life lost are tabulated. Unintentional injuries increase from fourth to first, suicides from seventh to fourth, and homicides from twelfth to eighth.

Infant Deaths

The infant death rate has often been used as an indicator of the general health of a population. Unlike other mortality rates which use the total population as the group at risk, the infant death rate is based upon the number of infant deaths per 1,000 births per year. The deaths of 368 Oregon infants in 1986 is equivalent to a rate of 9.5 per 1,000 births. Oregon's infant death rate has been consistently lower than the national rate. From 1976 to 1986, the U.S. infant death rate declined 31.6 percent, from 15.2 to 10.4, while the Oregon rate fell 25.2 percent, from 12.7 to 9.5 in 1986.

Neonatal Deaths

Much of the decline in infant deaths can be attributed to the dramatic improvement in saving babies during the first 27 days of life. In 1986, the Oregon neonatal rate was 4.7. Oregon's rate has been consistently lower than the U.S. rate (Figure 20).

FIGURE 18

THE TEN LEADING CAUSES OF DEATH, OREGON RESIDENTS, 1986

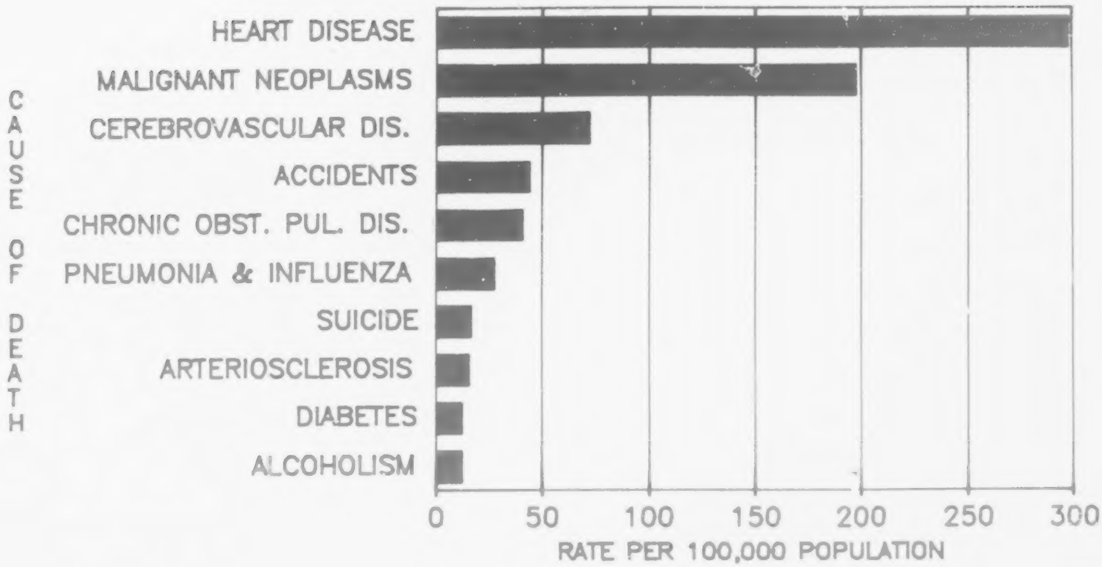


FIGURE 19

THE TEN LEADING CAUSES OF YEARS OF POTENTIAL LIFE LOST, OREGON RESIDENTS, 1986

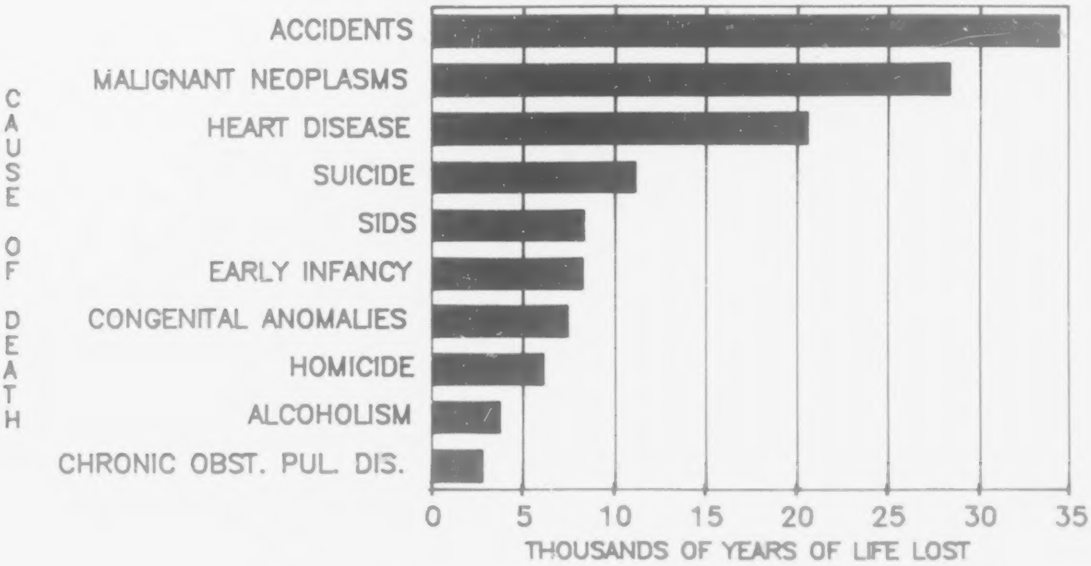
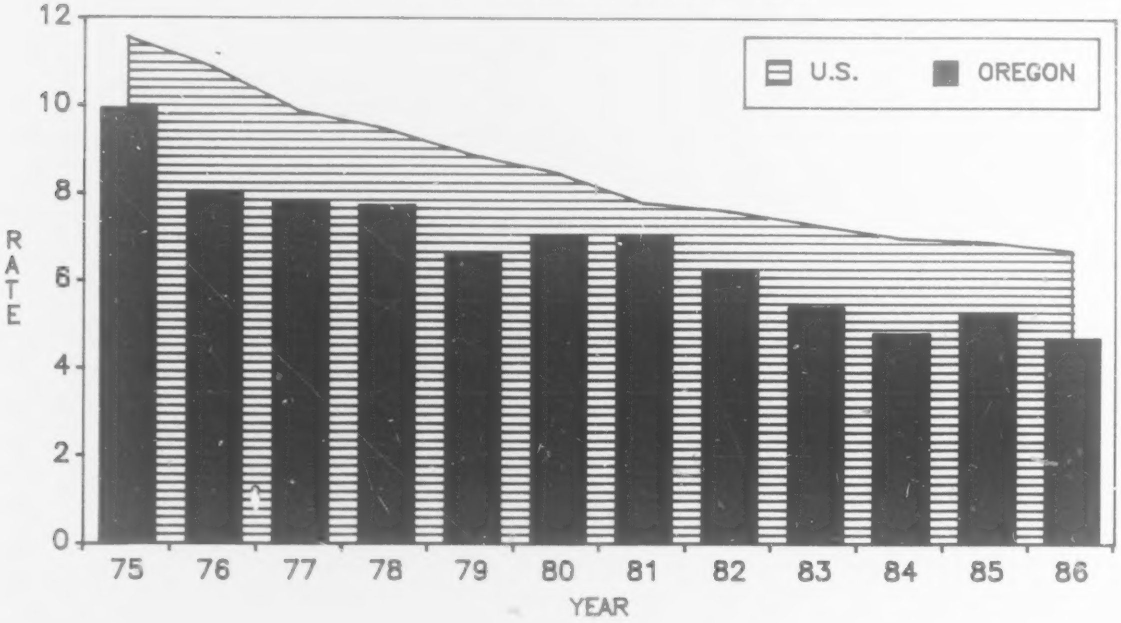


FIGURE 20

NEONATAL DEATH RATES, OREGON AND USA, 1975-1986



Post-Neonatal Death Rate

The death rate for infants 28 days to one year of age, however, has not shown the same improvement. The 1986 rate of 4.8 is actually higher than the rate (4.7) of a decade ago. The failure to show improvement in post-neonatal deaths is not a national trend. The Oregon rate has been higher in 10 of the past 12 years (Figure 21). More yearly variability is seen in the post-neonatal rates than in the neonatal rates. Ten years ago, 37.6 percent of Oregon infant deaths occurred in the post-neonatal period. In 1986, 50.3 percent were in this age group. Technological advances in the medical care of neonates may also partially account for the higher proportion of post-neonatal deaths by delaying the deaths of infants who would have otherwise died during the first 27 days of life. As changes occur in the ages of infants who die, strategies for improving infant survival must also change.

One reason the Oregon post-neonatal death rate is high is because Oregon has an elevated Sudden Infant Death Syndrome (SIDS) death rate. SIDS had ranked as the number two cause of infant death in past years, but since 1984 it has been the leading cause of infant death. Almost all SIDS deaths occur in the post-neonatal period. Infants are more apt to die from SIDS if: they have a low birth weight, are non-White, have a mother who received little or no prenatal care, or is teenaged or unwed. However, this is true of all infant deaths.

FIGURE 21

POSTNEONATAL DEATH RATES,
OREGON AND USA, 1975–1986

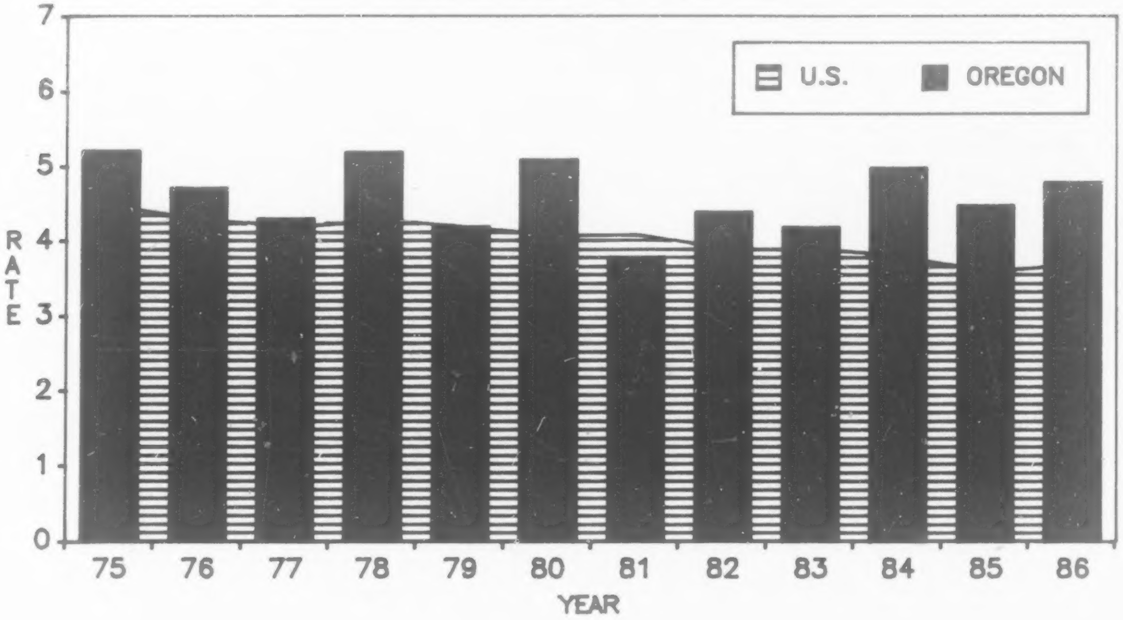


TABLE 34. AGE SPECIFIC DEATH RATES BY SEX, OREGON, 1940, 1950, 1960, 1970, 1975-1986

YEAR & SEX	TOTAL	AGE GROUPS					
		0 - 4	5 - 14	15-24	25-44	45-64	65+
1940 Deaths	1131.4	953.9	116.6	199.1	317.7	1322.7	7154.3
Male	1336.2	1122.6	140.5	267.4	374.5	1650.8	7831.0
Female	912.7	788.1	91.9	130.4	258.2	944.7	6395.2
1950 Deaths	912.9	588.1	61.7	148.2	242.0	1105.7	5836.7
Male	1097.2	459.9	74.1	226.0	317.4	1411.4	6619.2
Female	722.6	515.6	48.7	73.0	166.0	711.9	5025.0
1960 Deaths	949.1	566.3	42.5	107.0	210.5	1053.1	5796.9
Male	1141.2	640.3	53.3	158.4	273.3	1420.3	6854.2
Female	758.9	489.7	31.2	58.3	149.9	679.0	4838.8
1970 Deaths	933.8	411.4	42.9	134.4	184.4	1015.1	5617.3
Male	1107.6	437.8	56.5	198.9	241.7	1375.4	6893.0
Female	767.2	383.9	28.7	74.4	128.7	670.2	4607.6
1975 Deaths	876.1	364.8	32.5	118.0	164.4	925.1	5419.6
Male	1016.0	414.9	39.5	171.2	224.4	1239.7	6551.6
Female	747.2	312.5	25.3	64.9	107.4	631.0	4553.3
1976 Deaths	873.7	313.8	40.6	113.5	159.0	940.7	5384.1
Male	1005.2	350.6	52.5	160.0	221.1	1234.1	6532.4
Female	748.1	275.3	28.1	66.8	100.0	667.4	4470.4
1977 Deaths	853.8	315.4	41.3	125.1	166.0	896.4	5236.9
Male	984.2	376.4	51.8	183.7	213.5	1198.4	6311.3
Female	729.3	251.5	30.4	65.8	103.7	616.3	4424.5
1978 Deaths	844.3	303.0	39.9	117.7	159.3	888.1	5273.2
Male	965.7	330.4	50.4	174.5	228.4	1170.1	6303.4
Female	728.3	274.5	29.1	59.8	93.9	627.1	4486.9
1979 Deaths	826.4	267.1	33.4	110.7	156.1	869.1	5181.5
Male	956.1	308.2	42.5	167.8	227.9	1157.5	6308.5
Female	702.7	224.3	23.9	52.3	87.7	603.4	4333.3
1980 Deaths	826.4	310.7	31.9	115.8	140.8	870.8	4977.2
Male	931.8	333.9	36.9	167.8	193.4	1157.4	6013.3
Female	724.1	286.1	26.7	63.6	87.5	602.9	4209.3
1981 Deaths	819.3	272.6	24.7	113.5	138.1	847.9	4913.6
Male	916.8	301.0	31.2	168.6	187.5	1118.5	5857.9
Female	724.7	242.8	18.0	57.9	88.1	594.5	4206.7
1982 Deaths	813.0	261.4	27.5	92.3	132.0	826.3	4850.4
Male	899.3	290.8	35.4	132.1	177.6	1053.1	5769.2
Female	729.2	230.9	19.2	51.5	86.2	614.0	4158.8
1983 Deaths	848.6	240.4	30.2	97.3	131.6	843.1	4909.3
Male	927.1	258.2	39.0	136.0	183.6	1074.5	5816.4
Female	773.0	221.8	21.0	57.9	81.8	626.9	4245.4
1984 Deaths	868.5	228.7	28.5	107.4	137.8	854.5	4956.6
Male	941.9	252.5	39.1	160.2	185.8	1083.3	5808.1
Female	797.5	204.1	17.4	53.0	89.6	639.3	4332.5
1985 Deaths	890.4	233.2	21.0	97.7	141.5	830.0	5074.7
Male	976.5	260.5	27.7	150.6	193.1	1067.4	6053.4
Female	807.2	204.8	14.0	42.9	90.0	605.9	4362.1
1986 Deaths	877.2	237.8	22.3	100.9	145.4	818.0	4854.3
Male	956.1	271.7	25.9	146.9	201.2	1052.7	5747.0
Female	800.5	201.9	.5	53.0	89.8	595.5	4207.6

All rates per 100,000 population within specific age-groups.

TABLE 35. SELECTED LEADING CAUSES OF DEATHS WITH RATES, OREGON RESIDENTS, 1965-1986

YEAR	TOTAL	MAJOR CARDIOVASCULAR DISEASES			MALIGNANT NEOPLASMS	DIABETES MELLITUS	INFLUENZA & PNEUMONIA	CHRONIC RESPIRATORY DISEASES[1]	CIRRHOSIS OF LIVER	CERTAIN CAUSES IN EARLY INFANCY	CONGENITAL ANOMALIES	EXTERNAL CAUSES		
		Diseases of Heart	Cerebrovascular Disease	Arteriosclerosis								Accident	Suicide	Homicide
1970	19,530	7,158	2,429	461	3,493	312	554	520	288	298	149	1,347	303	93
1971	20,087	7,492	2,377	455	3,608	285	566	577	338	314	175	1,314	319	81
1972	20,216	7,581	2,453	433	3,594	290	599	529	348	272	158	1,379	301	116
1973	20,881	7,569	2,593	501	3,718	331	782	633	367	240	154	1,307	364	112
1974	20,320	7,441	2,408	451	3,762	272	584	609	365	228	160	1,354	362	123
1975	20,142	7,342	2,355	429	3,917	310	606	624	331	233	153	1,204	361	130
1976	20,459	7,306	2,264	445	4,065	300	800	664	348	177	157	1,257	351	96
1977	20,457	7,239	2,096	445	4,283	284	562	625	377	194	168	1,324	399	125
1978	20,870	7,249	2,079	485	4,447	297	658	698	312	190	168	1,387	385	125
1979	21,024	7,329	2,041	444	4,608	285	608	728	352	195	155	1,367	351	113
1980	21,756	7,659	2,021	486	4,625	297	704	829	349	219	160	1,319	388	145
1981	21,798	7,639	1,986	509	4,839	303	609	856	370	214	140	1,285	398	118
1982	21,594	7,601	1,901	482	4,859	297	609	912	299	168	165	1,064	396	146
1983	22,361	7,910	2,021	470	4,943	329	634	971	301	148	156	1,156	417	112
1984	23,101	8,010	1,919	431	5,387	343	725	957	318	136	152	1,185	423	135
1985	23,824	8,192	2,000	432	5,410	317	838	1,097	283	135	154	1,207	417	123
1986	23,328	7,788	1,926	417	5,272	328	742	1,090	308	119	142	1,184	450	181
1970	933.8	342.3	116.1	22.0	167.0	14.9	26.5	24.9	13.8	14.2	7.1	64.4	14.5	4.4
1971	937.3	349.6	110.9	21.2	168.4	13.3	26.4	26.9	15.8	14.7	8.2	61.3	14.9	3.8
1972	926.0	347.2	112.4	19.8	164.6	13.3	27.4	24.2	15.9	12.5	7.2	63.2	13.8	5.3
1973	938.5	340.2	116.5	22.5	167.1	14.9	35.1	28.5	16.5	10.8	6.9	58.7	16.4	5.0
1974	896.7	328.4	106.3	19.9	166.0	12.0	25.8	26.9	16.1	10.1	7.1	59.8	16.0	5.4
1975	876.1	319.4	102.4	18.7	170.4	13.5	26.4	27.1	14.4	10.1	6.7	52.4	15.7	5.7
1976	873.7	312.0	96.7	19.0	173.6	12.8	34.2	28.4	14.9	7.6	6.7	53.7	15.0	5.1
1977	853.8	302.1	87.5	18.6	178.7	11.9	23.5	26.1	15.7	8.1	7.0	55.3	16.7	5.2
1978	844.3	293.2	84.1	19.6	179.9	12.0	26.6	28.2	12.6	7.7	6.8	56.1	15.6	5.1
1979	826.4	288.1	80.2	17.5	181.1	11.2	23.9	28.6	13.8	7.7	6.1	53.7	13.8	4.4
1980	826.4	290.9	76.8	18.5	175.7	11.3	26.7	31.5	13.3	8.3	6.1	50.1	14.7	5.5
1981	819.2	287.1	74.6	19.1	181.9	11.4	22.9	32.2	13.9	8.0	5.3	48.3	15.0	4.4
1982	813.0	286.2	71.6	18.1	182.9	11.2	22.9	34.3	11.3	6.3	6.2	40.1	14.9	5.5
1983	848.6	300.2	76.7	17.8	187.6	12.5	24.1	36.9	11.4	5.6	5.9	43.9	15.8	4.3
1984	868.5	301.1	72.1	16.2	202.5	12.9	27.3	36.0	12.0	5.1	5.7	44.5	15.9	5.1
1985	890.4	306.2	74.7	16.1	202.2	11.8	31.3	41.0	10.6	5.0	5.8	45.1	15.6	4.6
1986	877.2	292.8	72.4	15.7	198.2	12.3	27.9	41.0	11.6	4.5	5.3	44.5	16.9	6.8

[1] Includes Bronchitis, Emphysema, Asthma and Chronic Obstructive Pulmonary Disease.
All rates per 100,000 population.

TABLE 36. LEADING CAUSES OF DEATH BY RANK ORDER FOR RESIDENT MALES AND FEMALES, OREGON, 1986

RANK	CAUSE OF DEATH	NUMBER	RATE	PERCENT
	MALES			
TOTAL		12,490	956.1	100.0
1.	Diseases of the Heart	4,203	321.7	33.7
2.	Malignant Neoplasms	2,859	218.9	22.9
3.	Accidents	838	64.1	6.7
4.	Cerebrovascular Disease	731	56.0	5.9
5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	669	51.2	5.4
6.	Influenza & Pneumonia	363	27.8	2.9
6.	Suicide	363	27.8	2.9
8.	Alcoholic Diseases	236	18.1	1.9
9.	Arteriosclerosis	164	12.6	1.3
10.	Other Diseases of Arteries	161	12.3	1.3
11.	Diabetes Mellitus	151	11.6	1.2
12.	Homicide	115	8.8	0.9
13.	Suddent Infant Death Syndrome	82	6.3	0.7
14.	Certain Causes in Early Infancy	73	5.6	0.6
15.	Congenital Anomalies	59	4.5	0.5
15.	Nephritis and Nephrosis	59	4.5	0.5
All Other Causes		1,364	104.4	10.9
	FEMALE			
TOTAL		10,838	800.9	100.0
1.	Diseases of the Heart	3,585	264.9	33.1
2.	Malignant Neoplasms	2,413	178.3	22.3
3.	Cerebrovascular Disease	1,195	88.3	11.0
4.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulm. Dis.	421	31.1	3.9
5.	Influenza & Pneumonia	379	28.0	3.5
6.	Accidents	346	25.6	3.2
7.	Arteriosclerosis	253	18.7	2.3
8.	Diabetes Mellitus	177	13.1	1.6
9.	Other Diesease of Arteries	111	8.2	1.0
10.	Alcoholic Diseases	89	6.6	0.8
11.	Suicide	87	6.4	0.8
12.	Congenital Anomalies	83	6.1	0.8
13.	Hypertension with or without Renal Disease	66	4.9	0.6
13.	Homicide	66	4.9	0.6
15.	Nephritis & Nephrosis	54	4.0	0.5
All Other Causes		1,513	111.8	14.0

TABLE 37. THE FIVE PRINCIPAL CAUSES OF DEATH BY AGE GROUPS, OREGON 1986

AGE AND CAUSE OF DEATH			BOTH SEXES		RATE*	
			Number	Percent	Male	Female
ALL AGES		ALL CAUSES	23,328	100.0	956.1	800.9
	1.	Diseases of the Heart	7,788	33.4	321.7	264.9
	2.	Malignant Neoplasms	5,272	22.6	218.9	178.3
	3.	Cerebrovascular Diseases	1,926	8.3	56.0	88.3
	4.	Accidents	1,090	5.1	64.1	25.6
	5.	Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	1,090	4.7	51.2	31.1
UNDER 1 YEAR[1]		ALL CAUSES	368	100.0	1,075.1	812.9
	1.	Sudden Infant Death Syndrome	121	32.9	411.9	205.9
	2.	Congenital Anomalies	85	23.1	180.8	258.7
	3.	Other Early Infancy Causes	33	9.0	110.5	58.1
	4.	Immaturity	28	7.6	85.4	58.1
	5.	Complications of Pregnancy/ Delivery	17	4.6	55.3	31.7
1 - 4 YEARS		ALL CAUSES	91	100.0	70.5	46.9
	1.	Accidents	40	44.0	31.5	20.1
	2.	Malignant Neoplasms	14	15.4	11.3	6.7
	3.	Homicides	7	7.7	6.3	2.7
	3.	Congenital Anomalies	7	7.7	3.8	5.4
	5.	Diseases of the Heart	5	5.5	6.3	0.0
5 - 14 YEARS		ALL CAUSES	84	100.0	25.9	18.5
	1.	Accidents	42	50.0	12.9	9.3
	2.	Malignant Neoplasms	9	10.7	2.6	2.2
	3.	Suicides	4	4.8	1.6	0.5
	3.	Congenital Anomalies	4	4.8	1.0	1.1
	5.	Homicides	3	3.6	0.5	1.1

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* Rates per 100,000 population except where noted.

[1] Rate per 100,000 live births.

TABLE 37. 1986, Continued

AGE AND CAUSE OF DEATH		BOTH SEXES		RATE*	
		Number	Percent	Male	Female
15 - 24 YEARS	ALL CAUSES	424	100.0	146.9	53.0
	1. Accidents	258	60.8	92.8	28.7
	2. Suicides	65	15.3	26.6	3.9
	3. Homicides	25	5.9	6.5	5.3
	4. Malignant Neoplasms	17	4.0	3.3	4.9
	5. Diseases of the Heart	12	2.8	3.3	2.4
25 - 44 YEARS	ALL CAUSES	1,225	100.0	201.2	89.8
	1. Accidents	320	26.1	60.2	15.9
	2. Malignant Neoplasms	197	16.1	19.3	27.5
	3. Suicides	168	13.7	31.9	8.1
	4. Diseases of the Heart	120	9.8	22.8	5.7
	5. Homicides	94	7.7	15.0	7.3
45 - 64 YEARS	ALL CAUSES	3,853	100.0	1,052.7	595.5
	1. Malignant Neoplasms	1,384	35.9	323.3	265.9
	2. Diseases of the Heart	1,115	28.9	359.0	120.8
	3. Accidents	201	5.2	70.2	16.5
	4. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	181	4.7	42.8	34.3
	5. Alcoholic Diseases	156	4.0	50.2	17.0
65 YEARS & OVER	ALL CAUSES	17,283	100.0	5,747.0	4,207.6
	1. Diseases of the Heart	6,533	37.8	2,185.6	1,580.9
	2. Malignant Neoplasms	3,649	21.1	1,346.5	791.9
	3. Cerebrovascular Diseases	1,771	10.2	435.2	542.5
	4. Bronchitis, Emphysema, Asthma & Chronic Obstructive Pulmonary Diseases	900	5.2	377.7	162.3
	5. Influenza & Pneumonia	687	4.0	220.0	173.4

TABLE 38. AGE SPECIFIC DEATH RATES BY SEX FOR THE LEADING CAUSES OF DEATH, OREGON RESIDENTS, 1986

CAUSE OF DEATH	TOTAL	AGE GROUPS								
		0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALL CAUSES	877.2	237.8	22.3	100.9	124.2	169.3	450.6	1209.7	2636.9	7998.0
Male	956.1	271.7	25.9	146.9	185.6	218.5	565.5	1598.7	3505.7	9605.7
Female	800.9	201.9	18.5	53.0	63.9	119.4	336.4	859.0	1916.7	7040.8
Disease of the Heart	292.8	3.6	0.3	2.9	8.1	21.2	114.4	367.1	868.9	3204.5
Male	321.7	7.0	0.5	3.3	11.8	35.1	180.8	558.8	1244.0	3806.6
Female	264.9	0.0	0.0	2.4	4.4	7.1	48.4	194.3	558.0	2846.0
Malignant Neoplasms	198.2	8.3	2.4	4.0	13.0	35.1	155.5	441.2	843.5	1282.1
Male	218.9	11.1	2.6	3.3	11.8	27.6	49.4	518.1	1083.3	1799.6
Female	178.3	5.3	2.2	4.9	14.2	42.7	161.6	372.0	644.7	973.9
Cerebrovascular Disease	72.4	0.0	0.5	0.0	0.7	4.0	15.6	42.1	164.3	969.7
Male	56.0	0.0	0.0	0.0	0.9	6.0	17.3	41.6	178.6	877.0
Female	88.3	0.0	1.1	0.0	0.4	2.0	13.9	42.5	152.4	1024.9
Accidents	44.5	29.5	11.1	61.4	42.1	33.3	40.7	44.7	47.4	140.6
Male	64.1	35.2	12.9	92.8	72.9	46.1	66.0	74.9	65.5	187.4
Female	25.6	23.5	9.3	28.7	12.0	20.3	15.6	17.5	32.4	112.7
Bronchitis, Emphysema, Asthma & COPD	41.0	0.0	0.5	0.2	0.4	1.0	14.4	64.0	190.6	340.9
Male	51.2	0.0	1.0	0.0	0.9	1.0	13.2	75.9	261.1	578.6
Female	31.1	0.0	0.0	0.5	0.0	1.0	15.6	53.4	132.3	199.3
Pneumonia & Influenza	27.9	2.1	0.3	0.7	0.7	0.8	5.3	12.3	51.7	393.2
Male	27.8	1.0	0.0	0.5	0.0	1.0	8.3	18.5	76.1	467.5
Female	28.0	3.2	0.5	1.0	1.3	0.5	2.5	6.7	31.5	348.8
Suicides	16.9	0.0	1.1	15.5	18.2	22.0	22.6	22.4	26.3	35.3
Male	27.8	0.0	1.6	26.6	29.4	34.6	34.7	35.2	44.4	85.5
Female	6.4	0.0	0.5	3.9	7.1	9.1	10.7	10.8	11.4	5.4
Arteriosclerosis	15.7	0.0	0.0	0.0	0.0	0.0	2.1	8.8	29.7	224.1
Male	12.6	0.0	0.0	0.0	0.0	0.0	2.5	10.2	37.0	209.3
Female	18.7	0.0	0.0	0.0	0.0	0.0	1.6	7.5	23.7	232.9
Diabetes Mellitus	12.3	0.5	0.0	0.2	0.9	3.3	7.0	20.6	40.7	108.6
Male	11.6	0.0	0.0	0.5	0.5	4.0	8.3	22.2	42.3	121.9
Female	13.1	1.1	0.0	0.0	1.3	2.5	5.7	19.2	39.4	100.8

TABLE 38. AGE SPECIFIC DEATH RATES BY SEX FOR THE LEADING CAUSES OF DEATH, OREGON RESIDENTS, 1986 (Continued)

CAUSE OF DEATH	TOTAL	AGE GROUPS								
		0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
Alcoholic Cirrhosis, & Alcoholic Psychosis	12.2	0.0	0.0	0.2	2.0	9.6	19.3	47.8	41.2	23.8
Male	18.1	0.0	0.0	0.5	3.2	12.5	26.4	76.8	70.8	38.2
Female	6.6	0.0	0.0	0.0	0.9	6.6	12.3	21.7	16.6	15.2
Other Disease of Arteries	10.2	0.0	0.0	0.0	0.2	0.8	2.1	12.7	39.8	102.5
Male	12.3	0.0	0.0	0.0	0.5	1.0	2.5	18.5	66.6	131.0
Female	8.2	0.0	0.0	0.0	0.0	0.5	1.6	7.5	17.5	85.6
Homicides	6.8	6.2	0.8	5.9	12.8	9.3	6.6	4.4	5.3	6.8
Male	8.8	7.0	0.5	6.5	17.2	12.5	6.6	8.3	8.5	9.1
Female	4.9	5.3	1.1	5.3	8.4	6.1	6.6	0.8	2.6	5.4
Congenital Anomalies	5.3	47.7	1.1	1.7	1.3	1.3	1.2	2.2	6.2	4.8
Male	4.5	39.2	1.0	2.3	1.4	0.5	0.0	1.9	6.3	1.8
Female	6.1	56.6	1.1	1.0	1.3	2.0	2.5	2.5	6.1	6.5
Certain Causes in Early Infancy	4.5	61.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Male	5.6	72.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Female	3.4	49.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sudden Infant Death Syndrome	4.5	62.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Male	6.3	82.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Female	2.9	41.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypertension	4.4	0.0	0.0	0.0	0.0	0.3	2.1	3.5	9.6	55.7
Male	3.8	0.0	0.0	0.0	0.0	0.0	1.7	2.8	12.7	60.0
Female	4.9	0.0	0.0	0.0	0.0	0.5	2.5	4.2	7.0	53.1
Nephritis & Nephrosis	4.2	0.0	0.0	0.0	0.0	0.3	0.8	3.1	12.9	51.6
Male	4.5	0.0	0.0	0.0	0.0	0.5	1.7	4.6	13.7	69.1
Female	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	12.3	41.2
Peptic Ulcer	2.9	0.5	0.0	0.0	0.0	1.0	0.8	5.3	5.3	32.6
Male	2.9	1.0	0.0	0.0	0.0	0.5	0.8	8.3	7.4	34.6
Female	3.0	0.0	0.0	0.0	0.0	1.5	0.8	2.5	3.5	31.4
Injuries Undetermined Whether Accidentally or Purposely Inflicted	2.4	1.0	0.5	1.2	6.5	2.8	2.5	2.2	1.0	1.4
Male	3.7	1.0	1.0	1.9	10.0	4.5	2.5	3.7	1.1	3.6
Female	1.2	1.1	0.0	0.5	3.1	1.0	2.5	0.8	0.9	0.0

All rates per 100,000 population within the specific age groups.

TABLE 39. DEATHS BY MARITAL STATUS, SEX, AND AGE GROUPS, OREGON RESIDENTS, 1986

MARITAL STATUS & SEX	TOTAL	AGE AT DEATH							
		< 15	15-19	20-24	25-29	30-34	35-44	40-44	45-49
TOTAL									
TOTAL....	23,328	543	188	236	258	296	345	326	476
MALE.....	12,490	320	132	183	195	215	237	199	314
FEMALE...	10,838	223	56	53	63	81	108	127	162
SINGLE.....	2,213	543	183	184	129	107	65	42	35
MALE.....	1,458	320	130	149	107	91	48	31	25
FEMALE...	755	223	53	35	22	16	17	11	10
MARRIED....	10,780	-	3	43	88	127	180	177	307
MALE.....	7,536	-	1	28	63	83	124	104	201
FEMALE...	3,244	-	2	15	25	44	56	73	106
WIDOWED....	7,949	-	-	-	-	2	5	9	8
MALE.....	2,046	-	-	-	-	1	2	1	1
FEMALE...	5,903	-	-	-	-	1	3	8	7
DIVORCED...	2,293	-	2	9	37	54	92	94	117
MALE.....	1,374	-	1	6	21	35	60	61	78
FEMALE...	919	-	1	3	16	19	32	33	39
UNKNOWN....	93	-	-	-	4	6	3	4	9
MALE.....	76	-	-	-	4	5	3	2	9
FEMALE...	17	-	-	-	-	1	-	2	-

MARITAL STATUS & SEX	AGE AT DEATH								
	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+
TOTAL									
TOTAL....	619	1,017	1,741	2,414	3,091	3,287	3,262	2,651	2,578
MALE.....	371	610	1,118	1,510	1,807	1,839	1,605	1,064	771
FEMALE...	248	407	623	904	1,284	1,448	1,657	1,587	1,807
SINGLE.....	40	53	80	91	118	137	142	130	134
MALE.....	31	40	60	68	82	85	75	66	50
FEMALE...	9	13	20	23	36	52	67	64	84
MARRIED....	408	666	1,134	1,543	1,836	1,775	1,379	748	366
MALE.....	246	402	754	1,089	1,297	1,290	1,022	547	285
FEMALE...	162	264	380	454	539	485	357	201	81
WIDOWED....	39	89	205	469	832	1,126	1,555	1,631	1,979
MALE.....	8	34	74	150	238	320	422	386	409
FEMALE...	31	55	131	319	594	806	1,133	1,245	1,570
DIVORCED...	126	199	314	305	296	240	178	134	96
MALE.....	81	126	222	197	183	137	79	61	26
FEMALE...	45	73	92	108	113	103	99	73	70
UNKNOWN....	6	10	8	6	9	9	8	8	3
MALE.....	5	8	8	6	7	7	7	4	1
FEMALE...	1	2	-	-	2	2	1	4	2

- QUANTITY IS ZERO

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986

9TH REV. ICD	CAUSE OF DEATH		TOTAL	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
	ALL CAUSES		23,328	368	91	84	424	554	671	1,095	2,758	5,505	6,549	5,229
		MALE.....	12,490	214	56	50	315	410	436	685	1,728	3,317	3,444	1,835
		FEMALE...	10,838	154	35	34	109	144	235	410	1,030	2,188	3,105	3,394
	I. INFECTIVE AND PARASITIC DISEASES		178	2	2	1	5	20	18	15	25	29	37	24
		MALE.....	102	2	-	-	2	17	16	7	17	16	18	7
		FEMALE...	76	-	2	1	3	3	2	8	8	13	19	17
010-018, 137	TUBERCULOSIS, ALL FORMS		12	-	-	-	-	-	1	1	2	2	5	1
		MALE.....	8	-	-	-	-	-	1	1	1	1	4	-
		FEMALE...	4	-	-	-	-	-	-	-	1	1	1	1
038	SEPTICEMIA		67	1	1	1	2	4	1	5	11	10	19	12
		MALE.....	30	1	-	-	-	2	1	2	6	5	8	5
		FEMALE...	37	-	1	1	2	2	-	3	5	5	11	7
070	VIRAL HEPATITIS		10	-	-	-	-	1	-	2	2	3	2	-
		MALE.....	7	-	-	-	-	1	-	1	2	1	2	-
		FEMALE...	3	-	-	-	-	-	-	1	-	2	-	-
RESIDUAL OF 001-139	OTHER INFECTIVE & PARASITIC DISEASES		89	1	1	-	3	15	16	7	10	14	11	11
		MALE.....	57	1	-	-	2	14	14	3	8	9	4	2
		FEMALE...	32	-	1	-	1	1	2	4	2	5	7	9
	II. NEOPLASMS		5,320	4	14	9	18	59	140	378	1,009	1,772	1,358	559
		MALE.....	2,882	2	9	5	8	27	56	181	561	1,033	751	249
		FEMALE...	2,438	2	5	4	10	32	84	197	448	739	607	310
140-208	MALIGNANT NEOPLASMS		5,272	2	14	9	17	58	139	378	1,006	1,761	1,342	546
		MALE.....	2,859	2	9	5	7	26	55	181	560	1,025	746	243
		FEMALE...	2,413	-	5	4	10	32	84	197	446	736	596	303
140-149	OF BUCCAL CAVITY & PHARYNX		76	-	-	-	-	1	1	3	22	31	11	7
		MALE.....	53	-	-	-	-	-	-	3	15	23	8	4
		FEMALE...	23	-	-	-	-	1	1	-	7	8	3	3
150-159	OF DIGESTIVE ORGANS & PERITONEUM		1,254	-	1	-	2	3	22	55	218	429	364	160
		MALE.....	669	-	1	-	2	1	15	31	141	249	178	51
		FEMALE...	585	-	-	-	-	2	7	24	77	180	186	109
150	ESOPHAGUS		104	-	-	-	-	-	4	3	25	49	21	2
		MALE.....	78	-	-	-	-	-	3	3	23	33	15	1
		FEMALE...	26	-	-	-	-	-	1	-	2	16	6	1

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH	TOTAL	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
151	STOMACH	126	-	-	-	-	1	4	3	28	42	32	16
	MALE.....	72	-	-	-	-	-	3	1	20	23	19	6
	FEMALE...	54	-	-	-	-	1	1	2	8	19	13	10
153	LARGE INTESTINE (EXC. RECTUM)	491	-	-	-	-	1	5	21	73	163	150	78
	MALE.....	246	-	-	-	-	-	3	11	40	104	66	22
	FEMALE...	245	-	-	-	-	1	2	10	33	59	84	56
154	RECTUM	103	-	-	-	-	-	2	3	18	37	31	12
	MALE.....	65	-	-	-	-	-	2	3	13	25	17	5
	FEMALE...	38	-	-	-	-	-	-	-	5	12	14	7
157	PANCREAS	267	-	-	-	-	-	4	14	53	87	76	33
	MALE.....	118	-	-	-	-	-	1	7	29	40	30	11
	FEMALE...	149	-	-	-	-	-	3	7	24	47	46	22
160-165	OF RESPIRATORY/INTRATHORACIC ORGAN	1,651	1	-	-	-	4	24	146	395	638	357	86
	MALE.....	1,080	1	-	-	-	1	12	85	250	422	249	60
	FEMALE...	571	-	-	-	-	3	12	61	145	216	108	26
162.2-.9	BRONCHUS AND LUNG	1,595	-	-	-	-	4	23	144	380	619	345	80
	MALE.....	1,040	-	-	-	-	1	12	84	240	407	240	56
	FEMALE...	555	-	-	-	-	3	11	60	140	212	105	24
170-175	OF BONE, CONNECTIVE TISSUE, SKIN AND BREAST	575	-	-	-	1	19	41	69	114	151	124	56
	MALE.....	67	-	-	-	1	8	5	6	16	16	11	4
	FEMALE...	508	-	-	-	-	11	36	63	98	135	113	52
172	MALIGNANT MELANOMA	67	-	-	-	-	6	5	11	13	12	11	9
	MALE.....	37	-	-	-	-	4	2	5	9	7	8	2
	FEMALE...	30	-	-	-	-	2	3	6	4	5	3	7
173	OTHER SKIN	26	-	-	-	-	3	1	-	8	7	4	3
	MALE.....	15	-	-	-	-	3	1	-	5	4	1	1
	FEMALE...	11	-	-	-	-	-	-	-	3	3	3	2
174-175	BREAST	447	-	-	-	-	7	32	54	89	121	102	42
	FEMALE...	447	-	-	-	-	7	32	54	89	121	102	42
179-187	OF GENITAL ORGANS	610	-	2	-	1	7	14	18	74	179	219	96
	MALE.....	369	-	2	-	1	3	1	1	28	115	153	65
	FEMALE...	241	-	-	-	-	4	13	17	46	64	66	31
179-182	CERVIX & UTERUS	96	-	-	-	-	3	3	4	19	23	28	16
	FEMALE...	96	-	-	-	-	3	3	4	19	23	28	16
183.0	OVARY	129	-	-	-	-	1	9	12	25	39	33	10
	FEMALE...	129	-	-	-	-	1	9	12	25	39	33	10

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH		TOTAL	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
185	PROSTATE	MALE.....	361	-	2	-	-	-	-	1	28	114	151	65
188-189	OF URINARY ORGANS		200	-	-	-	-	-	2	16	40	64	49	29
		MALE.....	141	-	-	-	-	-	2	11	26	46	42	14
		FEMALE...	59	-	-	-	-	-	-	5	14	18	7	15
188	BLADDER		112	-	-	-	-	-	-	5	16	35	36	20
		MALE.....	89	-	-	-	-	-	-	3	13	29	33	11
		FEMALE...	23	-	-	-	-	-	-	2	3	6	3	9
190-199	OF OTHER & UNSPECIFIED SITES		395	1	3	4	4	9	22	40	68	115	89	40
		MALE.....	204	1	1	2	-	3	13	25	39	62	45	13
		FEMALE...	191	-	2	2	4	6	9	15	29	53	44	27
191	BRAIN		146	-	2	3	4	6	16	13	36	37	24	5
		MALE.....	80	-	1	2	-	3	11	9	19	20	12	3
		FEMALE...	66	-	1	1	4	3	5	4	17	17	12	2
200-208	OF LYMPHATIC AND HEMATOPOIETIC TISSUES		511	-	8	5	9	15	13	31	75	154	129	72
		MALE.....	276	-	5	3	3	10	7	19	45	92	60	32
		FEMALE...	235	-	3	2	6	5	6	12	30	62	69	40
204-208	LEUKEMIA		200	-	7	3	5	8	5	11	24	55	50	32
		MALE.....	117	-	4	2	1	5	2	7	14	39	27	16
		FEMALE...	83	-	3	1	4	3	3	4	10	16	23	16
204	LYMPHATIC LEUKEMIA		65	-	3	1	4	1	-	3	6	21	17	9
		MALE.....	35	-	1	1	1	-	-	2	4	16	7	3
		FEMALE...	30	-	2	-	3	1	-	1	2	5	10	6
210-229	BENIGN NEOPLASMS		8	-	-	-	1	-	-	-	-	5	1	1
		MALE.....	4	-	-	-	1	-	-	-	-	2	1	-
		FEMALE...	4	-	-	-	-	-	-	-	-	3	-	1
230-239	IN SITU, UNCERTAIN BEHAVIOR AND UNSPECIFIED NATURE NEOPLASMS		40	2	-	-	-	1	1	-	3	6	15	12
		MALE.....	19	-	-	-	-	1	1	-	1	6	4	6
		FEMALE...	21	2	-	-	-	-	-	-	2	-	11	6
	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES		482	2	3	1	4	21	33	24	64	111	141	78
		MALE.....	240	-	2	1	2	17	24	15	37	54	66	22
		FEMALE...	242	2	1	-	2	4	9	9	27	57	75	56
250	DIABETES MELLITUS		328	1	-	-	1	4	13	17	47	85	108	52
		MALE.....	151	-	-	-	1	1	8	10	24	40	54	13
		FEMALE...	177	1	-	-	-	3	5	7	23	45	54	39

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH		TOTAL	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
240-279	OTHER ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES		154	1	3	1	3	17	20	7	17	26	33	26
		MALE.....	89	-	2	1	1	16	16	5	13	14	12	9
		FEMALE...	65	1	1	-	2	1	4	2	4	12	21	17
	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS		73	-	-	1	2	1	1	3	8	14	26	17
		MALE.....	38	-	-	1	1	-	-	2	4	6	15	9
		FEMALE...	35	-	-	-	1	1	1	1	4	8	11	8
280-285	ANEMIAS		23	-	-	1	1	-	-	1	2	5	4	9
		MALE.....	11	-	-	1	-	-	-	1	1	1	3	4
		FEMALE...	12	-	-	-	1	-	-	-	1	4	1	5
RESIDUAL OF 280-289	OTHER DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS		50	-	-	-	1	1	1	2	6	9	22	8
		MALE.....	27	-	-	-	1	-	-	1	3	5	12	5
		FEMALE...	23	-	-	-	-	1	1	1	3	4	10	3
	V. MENTAL DISORDERS		317	-	-	-	4	20	15	11	26	47	80	114
		MALE.....	151	-	-	-	4	15	14	8	16	24	41	29
		FEMALE...	166	-	-	-	-	5	1	3	10	23	39	85
291	ALCOHOLIC PSYCHOSES		4	-	-	-	-	-	-	-	-	3	1	-
		MALE.....	4	-	-	-	-	-	-	-	-	3	1	-
303	ALCOHOLISM		47	-	-	-	-	2	5	6	13	11	9	1
		MALE.....	35	-	-	-	-	2	5	5	8	8	7	-
		FEMALE...	12	-	-	-	-	-	-	1	5	3	2	1
304	DRUG DEPENDENCE		32	-	-	-	2	18	8	3	1	-	-	-
		MALE.....	26	-	-	-	2	13	8	2	1	-	-	-
		FEMALE...	6	-	-	-	-	5	-	1	-	-	-	-
305	NON-DEPENDENT DRUG ABUSE		14	-	-	-	2	-	2	-	4	4	1	1
		MALE.....	10	-	-	-	2	-	1	-	3	3	1	-
		FEMALE...	4	-	-	-	-	-	1	-	1	1	-	1
RESIDUAL OF 290-319	OTHER MENTAL DISORDERS		220	-	-	-	-	-	-	2	8	29	69	112
		MALE.....	76	-	-	-	-	-	-	1	4	10	32	29
		FEMALE...	144	-	-	-	-	-	-	1	4	19	37	83

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH	TOTAL	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	544	6	3	8	7	7	10	15	42	115	218	113
	MALE.....	248	3	2	5	4	4	4	6	19	59	104	38
	FEMALE...	296	3	1	3	3	3	6	9	23	56	114	75
320-322	MENINGITIS	14	2	1	-	-	-	1	2	1	3	1	3
	MALE.....	5	-	1	-	-	-	-	-	1	2	1	-
	FEMALE...	9	2	-	-	-	-	1	2	-	1	-	3
331	ALZHEIMER'S DISEASE	225	-	-	-	-	-	1	-	6	38	109	71
	MALE.....	90	-	-	-	-	-	-	-	4	15	50	21
	FEMALE...	135	-	-	-	-	-	1	-	2	23	59	50
332	PARKINSON'S DISEASE	102	-	-	-	-	-	-	-	2	22	55	23
	MALE.....	54	-	-	-	-	-	-	-	-	15	30	9
	FEMALE...	48	-	-	-	-	-	-	-	2	7	25	14
345	EPILEPSY	20	-	-	2	2	4	-	2	4	4	2	-
	MALE.....	13	-	-	1	2	3	-	-	2	4	1	-
	FEMALE...	7	-	-	1	-	1	-	2	2	-	1	-
RESIDUAL OF 320-389	OTHER DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	183	4	2	6	5	3	8	11	29	48	51	16
	MALE.....	86	3	1	4	2	1	4	6	12	23	22	8
	FEMALE...	97	1	1	2	3	2	4	5	17	25	29	8
	VII. DISEASES OF THE CIRCULATORY SYSTEM	10,572	2	5	3	13	41	105	337	1,001	2,338	3,447	3,280
	MALE.....	5,337	2	5	1	8	30	84	252	689	1,466	1,761	1,039
	FEMALE...	5,235	-	-	2	5	11	21	85	312	872	1,686	2,241
390-448	MAJOR CARDIOVASCULAR DISEASES	10,527	2	5	3	12	40	104	333	993	2,324	3,442	3,269
	MALE.....	5,317	2	5	1	7	29	84	250	686	1,458	1,759	1,036
	FEMALE...	5,210	-	-	2	5	11	20	83	307	866	1,683	2,233
390-398, 402, 404-429	DISEASES OF THE HEART	7,796	2	5	1	12	36	84	280	840	1,816	2,511	2,209
	MALE.....	4,211	2	5	1	7	26	70	221	607	1,179	1,335	758
	FEMALE...	3,585	-	-	-	5	10	14	59	233	637	1,176	1,451
390-398	RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE	104	-	-	-	2	-	2	4	17	23	35	21
	MALE.....	32	-	-	-	-	-	-	2	6	10	9	5
	FEMALE...	72	-	-	-	2	-	2	2	11	13	26	16

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH	TOTAL	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
402,404	HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE	196	-	-	-	-	3	2	3	16	41	75	56
	MALE.....	82	-	-	-	-	2	2	2	9	19	34	14
	FEMALE...	114	-	-	-	-	1	-	1	7	22	41	42
410-414	ISCHEMIC HEART DISEASE	5,808	-	-	-	-	11	57	222	668	1,409	1,896	1,545
	MALE.....	3,258	-	-	-	-	10	49	181	498	938	1,043	539
	FEMALE...	2,550	-	-	-	-	1	8	41	170	471	853	1,006
410	MYOCARDIAL INFARCTION	2,190	-	-	-	-	4	16	95	293	577	770	435
	MALE.....	1,240	-	-	-	-	3	14	80	207	372	413	151
	FEMALE...	950	-	-	-	-	1	2	15	86	205	357	284
411	OTHER ACUTE AND SUBACUTE	17	-	-	-	-	-	-	1	2	2	8	4
	MALE.....	10	-	-	-	-	-	-	1	1	2	5	1
	FEMALE...	7	-	-	-	-	-	-	-	1	-	3	3
412-414	CHRONIC ISCHEMIC HEART DISEASE	3,601	-	-	-	-	7	41	126	373	830	1,118	1,106
	MALE.....	2,008	-	-	-	-	7	35	100	290	564	625	387
	FEMALE...	1,593	-	-	-	-	-	6	26	83	266	493	719
415-429	ALL OTHER FORMS	1,688	2	5	1	10	22	23	51	139	343	505	587
	MALE.....	839	2	5	1	7	14	19	36	94	212	249	200
	FEMALE...	849	-	-	-	3	8	4	15	45	131	256	387
401,403	HYPERTENSION	116	-	-	-	-	-	1	5	8	20	49	33
	MALE.....	50	-	-	-	-	-	-	2	3	12	22	11
	FEMALE...	66	-	-	-	-	-	1	3	5	8	27	22
430-438	CEREBROVASCULAR DISEASE	1,926	-	-	2	-	3	16	38	96	343	668	760
	MALE.....	731	-	-	-	-	2	12	21	45	169	286	196
	FEMALE...	1,195	-	-	2	-	1	4	17	51	174	382	564
430	SUBARACHNOID HEMORRHAGE	76	-	-	-	-	1	8	11	15	21	14	6
	MALE.....	28	-	-	-	-	1	6	5	4	6	4	2
	FEMALE...	48	-	-	-	-	-	2	6	11	15	10	4
431-432	INTRACEREBRAL & INTRACRANIAL HEMORRHAGES	209	-	-	2	-	-	5	12	21	53	71	45
	MALE.....	80	-	-	-	-	-	5	5	11	24	25	10
	FEMALE...	129	-	-	2	-	-	-	7	10	29	46	35
434	CEREBRAL THROMBOSIS & EMBOLISM	298	-	-	-	-	1	1	5	9	56	109	117
	MALE.....	122	-	-	-	-	1	-	4	5	28	50	34
	FEMALE...	176	-	-	-	-	-	1	1	4	28	59	83
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1,122	-	-	-	-	-	2	9	45	184	393	489

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH	TOTAL	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE												
	MALE.....	410	-	-	-	-	-	1	7	21	92	165	124
	FEMALE...	712	-	-	-	-	-	1	2	24	92	228	365
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE	162	-	-	-	-	-	-	1	4	16	50	91
	MALE.....	61	-	-	-	-	-	-	-	2	10	26	23
	FEMALE...	101	-	-	-	-	-	-	1	2	6	24	68
440	ARTERIOSCLEROSIS	417	-	-	-	-	-	-	5	20	62	112	218
	MALE.....	164	-	-	-	-	-	-	3	11	35	60	55
	FEMALE...	253	-	-	-	-	-	-	2	9	27	52	163
441-448	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES	272	-	-	-	-	1	3	5	29	83	102	49
	MALE.....	161	-	-	-	-	1	2	3	20	63	56	16
	FEMALE...	111	-	-	-	-	-	1	2	9	20	46	33
451-453	VENOUS THROMBOSIS & EMBOLISM	27	-	-	-	-	-	-	4	6	11	2	4
	MALE.....	11	-	-	-	-	-	-	2	2	6	1	-
	FEMALE...	16	-	-	-	-	-	-	2	4	5	1	4
RESIDUAL OF 390-459	OTHER DISEASES OF THE CIRCULATORY SYSTEM	18	-	-	-	1	1	1	-	2	3	3	7
	MALE.....	9	-	-	-	1	1	-	-	1	2	1	3
	FEMALE...	9	-	-	-	-	-	1	-	1	1	2	4
	VIII. DISEASES OF THE RESPIRATORY SYSTEM	2,026	1	4	3	4	5	9	55	191	550	660	544
	MALE.....	1,143	-	2	2	1	2	5	30	113	347	400	241
	FEMALE...	883	1	2	1	3	3	4	25	78	203	260	303
480-487	PNEUMONIA & INFLUENZA	742	1	3	1	3	3	3	13	28	108	212	367
	MALE.....	363	-	1	-	1	-	2	10	20	72	119	138
	FEMALE...	379	1	2	1	2	3	1	3	8	36	93	229
480-486	PNEUMONIA	715	1	3	-	3	3	3	11	28	105	202	356
	MALE.....	350	-	1	-	1	-	2	8	20	70	112	136
	FEMALE...	365	1	2	-	2	3	1	3	8	35	90	220
487	INFLUENZA	27	-	-	1	-	-	-	2	-	3	10	11
	MALE.....	13	-	-	-	-	-	-	2	-	2	7	2
	FEMALE...	14	-	-	1	-	-	-	-	-	1	3	9
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	1,090	-	-	2	1	2	4	35	146	398	379	123

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH	TOTAL	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS												
	MALE.....	669	-	-	2	-	2	2	16	82	247	238	80
	FEMALE...	421	-	-	-	1	-	2	19	64	151	141	43
490-491	CHRONIC & UNSPECIFIED BRONCHITIS	43	-	-	-	-	-	-	1	11	9	10	12
	MALE.....	18	-	-	-	-	-	-	-	3	5	5	5
	FEMALE...	25	-	-	-	-	-	-	1	8	4	5	7
492	EMPHYSEMA	229	-	-	-	-	-	-	6	32	94	75	22
	MALE.....	158	-	-	-	-	-	-	2	19	65	52	20
	FEMALE...	71	-	-	-	-	-	-	4	13	29	23	2
493	ASTHMA	52	-	-	1	1	1	3	5	7	17	8	9
	MALE.....	24	-	-	1	-	1	2	2	3	9	1	5
	FEMALE...	28	-	-	-	1	-	1	3	4	8	7	4
494	BRONCHIECTASIS	16	-	-	1	-	-	-	2	1	4	8	-
	MALE.....	7	-	-	1	-	-	-	1	1	-	4	-
	FEMALE...	9	-	-	-	-	-	-	1	-	4	4	-
495	EXTRINSIC ALLERGIC ALVEOLITIS	1	-	-	-	-	-	-	-	-	-	1	-
	MALE.....	1	-	-	-	-	-	-	-	-	-	1	-
496	CHRONIC AIRWAYS OBSTRUCTION NOT ELSEWHERE CLASSIFIED (COPD)	749	-	-	-	-	1	1	21	95	274	277	80
	MALE.....	461	-	-	-	-	1	-	11	56	168	175	50
	FEMALE...	288	-	-	-	-	-	1	10	39	106	102	30
RESIDUAL OF 460-519	OTHER DISEASES OF THE RESPIRATORY SYSTEM	194	-	1	-	-	-	2	7	17	44	69	54
	MALE.....	111	-	1	-	-	-	1	4	11	28	43	23
	FEMALE...	83	-	-	-	-	-	1	3	6	16	26	31
	IX. DISEASES OF THE DIGESTIVE SYSTEM	816	5	3	1	3	9	47	53	148	204	193	150
	MALE.....	445	3	2	1	3	5	27	35	98	117	90	64
	FEMALE...	371	2	1	-	-	4	20	18	50	87	103	86
531	ULCER OF THE STOMACH	18	1	-	-	-	-	-	1	6	3	2	5
	MALE.....	10	1	-	-	-	-	-	1	5	2	-	1
	FEMALE...	8	-	-	-	-	-	-	-	1	1	2	4
532	ULCER OF THE DUODENUM	26	-	-	-	-	-	3	-	2	4	10	7
	MALE.....	11	-	-	-	-	-	1	-	2	2	4	2
	FEMALE...	15	-	-	-	-	-	2	-	-	2	6	5

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH		TOTAL	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
533	PEPTIC ULCER		34	-	-	-	-	-	1	1	4	4	14	10
		MALE.....	17	-	-	-	-	-	-	-	2	3	6	6
		FEMALE...	17	-	-	-	-	-	1	1	2	1	8	4
550-553, 560	HERNIA & INTESTINAL OBSTRUCTION		48	1	-	1	-	-	2	-	1	11	18	14
		MALE.....	18	1	-	1	-	-	1	-	-	6	7	2
		FEMALE...	30	-	-	-	-	-	1	-	1	5	11	12
571	CIRRHOSIS OF THE LIVER		308	1	-	-	2	9	36	38	100	87	30	5
		MALE.....	210	-	-	-	2	5	22	25	75	64	14	3
		FEMALE...	98	1	-	-	-	4	14	13	25	23	16	2
571.0-.3	ALCOHOLIC CIRRHOSIS OF THE LIVER		264	-	-	-	1	7	33	38	92	70	21	2
		MALE.....	188	-	-	-	1	5	20	25	71	54	10	2
		FEMALE...	76	-	-	-	-	2	13	13	21	16	11	-
574-576	DISEASES OF THE GALLBLADDER		29	-	-	-	-	-	-	1	1	6	13	8
		MALE.....	11	-	-	-	-	-	-	-	-	-	9	2
		FEMALE...	18	-	-	-	-	-	-	1	1	6	4	6
577	DISEASES OF THE PANCREAS		20	-	-	-	-	-	1	2	1	7	7	2
		MALE.....	12	-	-	-	-	-	1	2	1	2	4	2
		FEMALE...	8	-	-	-	-	-	-	-	-	5	3	-
RESIDUAL OF 520-579	OTHER DISEASES OF THE DIGESTIVE SYSTEM		333	2	3	-	1	-	4	10	33	82	99	99
		MALE.....	156	1	2	-	1	-	2	7	13	38	46	46
		FEMALE...	177	1	1	-	-	-	2	3	20	44	53	53
	X. DISEASES OF THE GENITOURINARY SYSTEM		273	-	-	-	-	1	3	5	16	53	83	112
		MALE.....	122	-	-	-	-	-	3	5	8	21	44	41
		FEMALE...	151	-	-	-	-	1	-	-	8	32	39	71
580-589	NEPHRITIS & NEPHROSIS		113	-	-	-	-	-	1	2	7	27	34	42
		MALE.....	59	-	-	-	-	-	1	2	5	13	22	16
		FEMALE...	54	-	-	-	-	-	-	-	2	14	12	26
590	INFECTIONS OF THE KIDNEY		26	-	-	-	-	-	-	-	4	5	7	10
		MALE.....	7	-	-	-	-	-	-	-	-	1	3	3
		FEMALE...	19	-	-	-	-	-	-	-	4	4	4	7
600-608	DISEASES OF MALE GENITAL ORGANS.....		8	-	-	-	-	-	-	-	-	-	2	6

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH	TOTAL	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
614-629	DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS..............	5	-	-	-	-	1	-	-	-	-	3	1
RESIDUAL OF 580-629	OTHER DISEASES OF THE GENITO-URINARY SYSTEM	121	-	-	-	-	-	2	3	5	21	37	53
	MALE.....	48	-	-	-	-	-	2	3	3	7	17	16
	FEMALE...	73	-	-	-	-	-	-	-	2	14	20	37
630-676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM.	4	-	-	-	1	2	1	-	-	-	-	-
	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	19	-	-	-	-	-	-	-	1	3	9	6
	MALE.....	7	-	-	-	-	-	-	-	1	2	3	1
	FEMALE...	12	-	-	-	-	-	-	-	-	1	6	5
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	19	-	-	-	-	-	-	-	1	3	9	6
	MALE.....	7	-	-	-	-	-	-	-	1	2	3	1
	FEMALE...	12	-	-	-	-	-	-	-	-	1	6	5
	XIII. MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE DISEASES	78	-	-	1	-	2	3	3	9	23	18	19
	MALE.....	23	-	-	1	-	1	-	-	3	8	7	3
	FEMALE...	55	-	-	-	-	1	3	3	6	15	11	16
710-739	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	78	-	-	1	-	2	3	3	9	23	18	19
	MALE.....	23	-	-	1	-	1	-	-	3	8	7	3
	FEMALE...	55	-	-	-	-	1	3	3	6	15	11	16
	XIV. CONGENITAL ANOMALIES	142	85	7	4	7	6	5	3	5	13	4	3
	MALE.....	59	36	3	2	5	3	1	-	2	6	1	-
	FEMALE...	83	49	4	2	2	3	4	3	3	7	3	3
745-746	CONGENITAL ANOMALIES OF THE HEART	42	21	4	1	3	1	3	1	2	4	2	-
	MALE.....	15	8	-	1	2	1	1	-	1	1	-	-
	FEMALE...	27	13	4	-	1	-	2	1	1	3	2	-
RESIDUAL OF 740-759	OTHER CONGENITAL ANOMALIES	100	64	3	3	4	5	2	2	3	9	2	3
	MALE.....	44	28	3	1	3	2	-	-	1	5	-	-
	FEMALE...	56	36	-	2	1	3	2	2	2	4	2	3

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH	TOTAL	AGE GROUPS										
			< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
	XV. CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	119	117	1	-	1	-	-	-	-	-	-	-
	MALE.....	73	71	1	-	1	-	-	-	-	-	-	-
	FEMALE...	46	46	-	-	-	-	-	-	-	-	-	-
760-779	CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	119	117	1	-	1	-	-	-	-	-	-	-
	MALE.....	73	71	1	-	1	-	-	-	-	-	-	-
	FEMALE...	46	46	-	-	-	-	-	-	-	-	-	-
	XVI. SYMPTOMS AND ILL-DEFINED CONDITIONS	484	121	1	1	2	5	13	17	44	66	108	106
	MALE.....	254	82	-	-	2	3	6	11	27	45	44	34
	FEMALE...	230	39	1	1	-	2	7	6	17	21	64	72
797	SENILITY	7	-	-	-	-	-	-	-	-	-	2	5
	MALE.....	1	-	-	-	-	-	-	-	-	-	-	1
	FEMALE...	6	-	-	-	-	-	-	-	-	-	2	4
798.0	SUDDEN INFANT DEATH SYNDROME	121	121	-	-	-	-	-	-	-	-	-	-
	MALE.....	82	82	-	-	-	-	-	-	-	-	-	-
	FEMALE...	39	39	-	-	-	-	-	-	-	-	-	-
RESIDUAL OF 780-799	OTHER SYMPTOMS AND ILL-DEFINED CONDITIONS	356	-	1	1	2	5	13	17	44	66	106	101
	MALE.....	171	-	-	-	2	3	6	11	27	45	44	33
	FEMALE...	185	-	1	1	-	2	7	6	17	21	62	68
	XVII. ACCIDENTS, POISONINGS, AND VIOLENCE	1,881	23	48	51	353	355	268	176	169	167	167	104
	MALE.....	1,366	13	30	31	274	286	196	133	133	113	99	58
	FEMALE...	515	10	18	20	79	69	72	43	36	54	68	46
800-949	ACCIDENTS	1,184	17	40	42	258	188	132	99	102	99	120	87
	MALE.....	838	10	25	25	199	161	92	80	81	62	60	43
	FEMALE...	346	7	15	17	59	27	40	19	21	37	60	44
810-825	MOTOR VEHICLE ACCIDENTS	638	5	13	17	188	117	74	48	51	54	50	21
	MALE.....	444	2	8	6	141	97	49	35	38	30	27	11
	FEMALE...	194	3	5	11	47	20	25	13	13	24	23	10
830-838	WATER TRANSPORT ACCIDENTS	36	-	-	1	3	10	7	5	6	2	2	-
	MALE.....	33	-	-	1	3	10	6	3	6	2	2	-
	FEMALE...	3	-	-	-	-	-	1	2	-	-	-	-

TABLE 40. RESIDENT DEATHS FOR SELECTED CAUSES BY AGE AND SEX, OREGON, 1986-Continued

9TH REV. ICD	CAUSE OF DEATH		TOTAL	AGE GROUPS										
				< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
840-845	AIR TRANSPORT ACCIDENTS		31	-	-	-	2	4	15	8	2	-	-	-
		MALE.....	26	-	-	-	2	4	12	7	1	-	-	-
		FEMALE...	5	-	-	-	-	-	3	1	1	-	-	-
850-869	POISONING ACCIDENTS		38	-	-	1	4	14	8	3	3	4	1	-
		MALE.....	26	-	-	1	3	12	4	3	1	2	-	-
		FEMALE...	12	-	-	-	1	2	4	-	2	2	1	-
880-888	ACCIDENTAL FALLS		162	-	2	-	4	3	6	11	18	15	52	51
		MALE.....	86	-	1	-	4	1	3	9	14	10	21	23
		FEMALE...	76	-	1	-	-	2	3	2	4	5	31	28
890-899	FIRE & FLAME ACCIDENTS		46	2	9	3	7	4	5	1	1	5	5	4
		MALE.....	28	1	5	1	3	3	4	1	1	2	4	3
		FEMALE...	18	1	4	2	4	1	1	-	-	3	1	1
910	DROWNING AND SUBMERSION		70	2	10	12	22	9	2	7	3	2	-	1
		MALE.....	65	2	8	10	21	9	2	7	3	2	-	1
		FEMALE...	5	-	2	2	1	-	-	-	-	-	-	-
950-959	SUICIDES		450	-	-	4	65	81	87	55	51	55	37	15
		MALE.....	363	-	-	3	57	65	69	42	38	42	34	13
		FEMALE...	87	-	-	1	8	16	18	13	13	13	3	2
960-978	HOMICIDES		181	5	7	3	25	57	37	16	10	11	8	2
		MALE.....	115	2	5	1	14	38	25	8	9	8	3	2
		FEMALE...	66	3	2	2	11	19	12	8	1	3	5	-
980-989	INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED		64	1	1	2	5	29	11	6	5	2	2	-
		MALE.....	48	1	-	2	4	22	9	3	4	1	2	-
		FEMALE...	16	-	1	-	1	7	2	3	1	1	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 41. DEATHS DUE TO EXTERNAL FACTORS, OREGON RESIDENTS, 1986

METHOD OF DEATH	TOTAL		ACCIDENTS		SUICIDES		HOMICIDES		LEGAL INTER-VENTION		UNDETER-MINED	
	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
TOTAL..........	1,879	100	1,184	63	450	24	181	10	-	-	64	3
FIREARMS.......	384	100	9	2	281	73	92	24	-	-	2	1
HANGING AND SUFFOCATION..	106	100	29	27	62	58	11	10	-	-	4	4
DROWNING AND BOATING......	111	100	102	92	2	2	-	-	-	-	7	6
INGESTION OF SUBSTANCE.	159	100	41	26	81	51	-	-	-	-	37	23
CUTTING AND PIERCING.....	36	100	1	3	2	6	33	92	-	-	-	-
FALLS AND JUMPING......	178	100	162	91	15	8	-	-	-	-	1	1
MOTOR VEHICLES.	650	100	645	99	3	0	-	-	-	-	2	0
OTHER..........	255	100	195	76	4	2	45	18	-	-	11	4

TABLE 42. RESIDENT DEATHS FROM SUICIDE, HOMICIDE, LEGAL INTERVENTION, AND EXTERNAL CAUSES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED, BY AGE, SEX, AND METHOD, OREGON, 1986

METHOD OF DEATH	TOTAL DEATHS	AGE AND SEX GROUPS																	
		TOTAL		< 15		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
SUICIDE	450	363	87	3	1	57	8	65	16	69	18	42	13	38	13	42	13	47	5
ALL POISONING	81	50	31	-	-	6	4	12	7	15	4	9	8	4	5	3	3	1	-
MEDICATIONS	35	15	20	-	-	1	3	3	3	5	1	3	8	2	2	1	3	-	-
AUTO EXHAUST	42	31	11	-	-	5	1	7	4	8	3	6	-	2	3	2	-	1	-
OTHER GAS	3	3	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-
OTHER	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
HANGING	52	44	8	-	-	11	2	9	2	10	2	5	1	1	-	1	-	7	1
SUFFOCATION BY PLASTIC BAG	8	1	7	-	-	1	-	-	-	-	-	-	-	-	2	-	2	-	3
OTHER SUFFOCATION	2	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
DROWNING	2	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
ALL FIREARMS	284	250	34	3	1	35	2	41	4	41	11	24	2	32	6	38	7	36	1
HANDGUNS	171	147	24	2	1	15	2	21	3	23	7	17	2	20	3	24	5	25	1
SHOTGUNS	37	35	2	-	-	5	-	8	1	8	1	2	-	8	-	3	-	1	-
RIFLES	70	62	8	1	-	14	-	12	-	10	3	4	-	2	3	10	2	9	-
OTHER AND UNSPECIFIED	6	6	-	-	-	1	-	-	-	-	-	1	-	2	-	1	-	1	-
CUTTING AND PIERCING	2	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-
JUMPING FROM HIGH PLACES	15	12	3	-	-	3	-	2	2	2	-	3	1	-	-	-	-	2	-
OTHER	4	4	-	-	-	1	-	1	-	1	-	1	-	-	-	-	-	-	-
HOMICIDE	181	115	66	8	7	14	11	38	19	25	12	8	8	9	1	8	3	5	5
STRANGULATION AND HANGING	11	3	8	-	-	-	2	1	2	1	1	-	2	-	-	1	1	-	-
ALL FIREARMS	96	65	31	1	1	11	6	26	10	13	6	6	3	2	-	4	2	2	3
HANDGUNS	42	28	14	-	1	5	2	11	4	7	3	2	2	-	-	2	1	1	1
SHOTGUNS	10	8	2	1	-	2	-	2	1	-	-	2	-	-	-	1	-	-	1
RIFLES	13	8	5	-	-	2	2	2	2	-	1	2	-	1	-	-	-	1	-
OTHER AND UNSPECIFIED	31	21	10	-	-	2	2	11	3	6	2	-	1	1	-	1	1	-	1
CUTTING AND PIERCING	33	21	12	-	1	2	2	8	3	7	2	1	1	2	1	-	-	1	2
CHILD BATTERING	9	5	4	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTHER	32	21	11	2	1	1	1	3	4	4	3	1	2	5	-	3	-	2	-
UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	64	48	16	3	1	4	1	22	7	9	2	3	3	4	1	1	1	2	-
ALL POISONING	37	29	8	-	-	1	-	18	4	7	1	1	2	1	-	-	1	1	-
MEDICATIONS	36	29	7	-	-	1	-	18	3	7	1	1	2	1	-	-	1	1	-
AUTO EXHAUST	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
DROWNING	7	4	3	-	-	-	-	2	1	1	1	-	1	1	-	-	-	-	-
FIREARMS	2	2	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
OTHER	18	13	5	2	1	3	1	1	2	1	-	2	-	2	1	1	-	1	-

TABLE 43. RESIDENT ACCIDENTAL DEATHS BY TYPE OR SOURCE OF INJURY, AGE GROUPS AND SEX, OREGON, 1986

TYPE OR SOURCE OF ACCIDENT	TOTAL DEATHS	AGE AND SEX GROUPS																			
		< 1		1-4		5-14		15-24		25-34		35-44		45-54		55-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
TOTAL	1,184	10	7	25	15	25	17	199	59	161	27	92	40	80	19	81	21	62	37	103	104
TRANSPORTATION	711	2	3	8	5	7	12	148	47	112	21	68	29	45	16	45	14	32	24	40	33
MOTOR VEHICLE	638	2	3	8	5	6	11	141	47	97	20	49	25	35	13	38	13	30	24	38	33
WATERCRAFT	36	-	-	-	-	1	-	3	-	10	-	6	1	3	2	6	-	2	-	2	-
AIRCRAFT	31	-	-	-	-	-	-	2	-	4	-	12	3	7	1	1	1	-	-	-	-
RAILWAY	2	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-
OTHER ROAD VEHICLE	4	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-
POISONING	38	-	-	-	-	1	-	3	1	12	2	4	4	3	-	1	2	2	2	-	1
GAS	3	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-
DRUGS AND MEDICINES	29	-	-	-	-	-	-	2	1	8	2	4	4	2	-	-	2	1	2	-	1
OTHER SOLIDS AND LIQUIDS	6	-	-	-	-	1	-	-	-	2	-	-	-	1	-	1	-	1	-	-	-
SUFFOCATION OR OBSTRUCTION	29	3	3	-	1	1	-	3	-	1	-	-	-	2	-	1	-	4	1	6	3
INHALATION OF FOOD	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	1	2	3
INHALATION OF OTHER MATERIAL	8	-	2	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	4	-
MECHANICAL SUFFOCATON	12	3	1	-	1	1	-	3	-	1	-	-	-	1	-	-	-	1	-	-	-
MISCELLANEOUS	406	5	1	17	9	16	5	45	11	36	4	20	7	30	3	34	5	24	10	57	67
FALLS	162	-	-	1	1	-	-	4	-	1	2	3	3	9	2	14	4	10	5	44	59
FIRES	46	1	1	5	4	1	2	3	4	3	1	4	1	1	-	1	-	2	3	7	2
DROWNING	70	2	-	8	2	10	2	21	1	9	-	2	-	7	-	3	-	2	-	1	-
STRUCK BY OBJECT	29	-	-	-	-	1	-	4	1	11	-	1	1	6	-	4	-	-	-	-	-
MACHINERY	23	-	-	2	-	-	-	2	-	6	-	-	-	4	-	5	-	2	1	1	-
FIREARMS	9	-	-	-	-	2	-	4	-	2	-	1	-	-	-	-	-	-	-	-	-
ELECTRIC CURRENT	6	-	-	-	1	1	-	1	-	1	-	2	-	-	-	-	-	-	-	-	-
OTHER AND UNSPECIFIED	29	-	-	-	1	1	-	5	5	1	-	4	1	3	1	-	1	2	1	2	1
COMPLICATIONS OF MEDICAL PROCEDURES	19	2	-	-	-	-	-	-	-	1	1	3	1	-	-	4	-	4	-	1	2
LATE EFFECTS OF ACCIDENTS	13	-	-	1	-	-	1	1	-	1	-	-	-	-	-	3	-	2	-	1	3

TABLE 44. DEATHS OCCURRING IN OREGON BY TYPE OF ACCIDENT AND AGE GROUPS, 1986

TYPE OF ACCIDENT	TOTAL DEATHS	RATE	AGE GROUPS						
			< 1	1-4	5-14	15-24	25-44	45-64	65+
TOTAL	1,198	45.0	15	44	46	263	328	196	306
WORK ACCIDENTS	59	2.2	-	-	-	10	27	19	3
LOGGING	30	1.1	-	-	-	7	13	10	-
AGRICULTURE	7	.3	-	-	-	1	1	2	3
CONSTRUCTION	9	.3	-	-	-	1	5	3	-
MANUFACTURING	2	.1	-	-	-	-	2	-	-
TRANSPORTATION	3	.1	-	-	-	-	1	2	-
TRADE	1	.0	-	-	-	-	1	-	-
SERVICE	2	.1	-	-	-	1	-	1	-
OTHER AND UNSPECIFIED	5	.2	-	-	-	-	4	1	-
HOME ACCIDENTS	221	8.3	8	22	8	17	32	22	112
POISONING, SOLID, LIQUID	25	.9	-	1	-	1	17	3	3
POISONING, GAS	1	.0	-	-	-	-	1	-	-
FALLS	104	3.9	-	2	-	-	4	13	85
FIRES	46	1.7	2	10	4	8	8	1	13
DROWNING	10	.4	1	7	-	1	-	-	1
SUFFOCATION, INGESTION	6	.2	1	-	-	-	-	-	5
SUFFOCATION, MECHANICAL	12	.5	4	1	1	3	1	1	1
FIREARMS	7	.3	-	-	3	3	1	-	-
OTHER AND UNSPECIFIED	10	.4	-	1	-	1	-	4	4
MOTOR VEHICLE	656	24.7	6	16	22	188	199	101	124
INJURY TO PEDESTRIAN	89	3.3	1	4	9	11	14	17	33
INJURY TO PEDAL CYCLIST	9	.3	-	-	3	1	-	2	3
INJURY TO ANIMAL RIDER	1	.0	-	1	-	-	-	-	-
COLLISION WITH TRAIN	7	.3	-	1	1	1	3	1	-
COLLISION WITH OTHER MOTOR VEHICLE	271	10.2	1	7	5	82	79	43	54
COLLISION WITH FIXED OBJECT	71	2.7	1	1	-	24	26	13	6
NON-COLLISION (LOSS OF CONTROL)	196	7.4	3	1	2	68	74	23	25
OTHER AND UNSPECIFIED	12	.5	-	1	2	1	3	2	3
PUBLIC ACCIDENT	218	8.2	1	5	15	46	67	48	36
RAILWAY TRANSPORTATION	3	.1	-	-	-	2	1	-	-
OTHER TRANSPORTATION	2	.1	-	-	-	1	1	-	-
WATER TRANSPORTATION	33	1.2	-	-	1	2	18	9	3
AIR TRANSPORTATION	35	1.3	-	-	-	2	21	12	-
FALLS	27	1.0	-	-	-	2	2	9	14
DROWNING	53	2.0	-	2	9	24	10	6	2
FIREARMS	4	.2	-	-	-	1	3	-	-
OTHER AND UNSPECIFIED	61	2.3	1	3	5	12	11	12	17
UNCLASSIFIED	44	1.7	-	1	1	2	3	6	31

NOTE: RATES PER 100,000 POPULATION

TABLE 45. INFANT, NEONATAL AND POST-NEONATAL DEATHS, 1982-1986, BY RISK FACTORS AND INFANT CHARACTERISITCS FOR OREGON RESIDENTS AT BIRTH

RISK FACTORS	AGE OF CHILD					
	TOTAL INFANT DEATH		NEONATAL		POSTNEONATAL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Total	1962	9.9	1050	5.3	912	4.6
AGE OF MOTHER						
LESS THAN 18	110	15.3	57	7.9	53	7.4
18-34	1731	9.7	919	5.1	812	4.6
35+	99	8.1	68	5.6	31	2.5
UNKNOWN	22	-	6	-	16	-
MARITAL STATUS						
MARRIED	1384	8.5	760	4.7	624	3.8
NOT MARRIED	543	15.4	279	7.9	264	7.5
N.S	35	-	11	-	24	-
PRENATAL CARE						
INADEQUATE	444	36.8	304	25.2	140	11.6
ADEQUATE	1463	7.9	724	3.9	739	4.0
NOT STATED	55	-	22	-	33	-
EDUCATION OF MOTHER						
LESS THAN HS	559	14.7	263	6.9	296	7.8
HIGH SCHOOL	708	9.2	381	5.0	327	4.2
13+ YEARS	606	7.5	370	4.6	236	2.9
UNKNOWN	89	-	36	-	53	-
PLURALITY OF BIRTH						
SINGLE	1775	9.2	908	4.7	867	4.5
MULTIPLE	185	44.5	141	33.9	44	10.6
UNKNOWN	2	-	1	-	1	-
BIRTH ORDER						
1 - 3	1736	9.7	941	5.2	795	4.5
4+ BIRTHS	197	10.7	101	5.5	96	5.2
N.S	29	-	8	-	21	-
WEIGHT GROUP						
BELOW 1500 GRAMS	657	385.6	584	342.7	73	42.9
1500 -2499	297	35.5	151	18.1	146	17.4
2500 -4499	945	5.2	288	1.6	657	3.6
4500 PLUS	25	5.0	10	1.9	15	2.8
UNKNOWN	38	-	17	-	21	-
CONGENITAL ANOMALIES						
YES	433	135.6	344	107.7	89	27.9
NONE	1486	7.6	690	3.5	796	4.1
UNKNOWN	43	-	16	-	27	-
APGAR AT 5 MINUTES						
0-7	939	104.0	794	88.0	145	16.0
8-10	922	4.9	196	1.0	726	3.9
N.S	101	-	60	-	41	-
SEX						
MALE	1107	10.8	589	5.8	518	5.0
FEMALE	855	8.8	461	4.8	394	4.0
RACE OF CHILD						
WHITE	1796	9.8	965	5.2	831	4.6
NON-WHITE	166	11.3	85	5.8	81	5.5

TABLE 46. RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH, OREGON, 1986

CAUSE OF DEATH	AGE GROUPS					
	TOTAL DEATHS	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	ALL NEONATES	POST-NEONATES
TOTAL	368	110	39	34	183	185
RATE	9.5	2.8	1.0	.9	4.7	4.8
CERTAIN CAUSES OF MORTALITY IN EARLY INFANCY	117	71	22	11	104	13
CONDITIONS OF PLACENTA AND CORD	7	6	1	-	7	-
IMMATURITY, UNQUALIFIED	28	24	2	1	27	1
BIRTH TRAUMA WITHOUT MENTION OF CAUSE	-	-	-	-	-	-
ANOXIC AND HYPOXIC CONDITIONS	8	3	4	1	8	-
RESPIRATORY DISTRESS SYNDROME	10	2	5	3	10	-
OTHER RESPIRATORY CONDITIONS	14	3	2	-	5	9
OTHER COMPLICATIONS OF PREGNANCY & DELIVERY	17	15	1	-	16	1
ALL OTHER	33	18	7	6	31	2
OTHER DISEASES	228	39	15	20	74	154
CONGENITAL ANOMALIES	85	38	15	15	68	17
DISEASES OF NERVOUS SYSTEM	6	-	-	-	-	6
PNEUMONIA OR INFLUENZA	1	-	-	-	-	1
RESPIRATORY DISTRESS	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME	121	-	-	3	3	118
ALL OTHER DISEASES	15	1	-	2	3	12
VIOLENT AND ACCIDENTAL CAUSES	23	-	2	3	5	18
MOTOR VEHICLE	5	-	-	-	-	5
OTHER ACCIDENTAL CAUSES	12	-	1	2	3	9
HOMICIDE	5	-	1	-	1	4
OTHER EXTERNAL CAUSES	1	-	-	1	1	-

NOTE: RATES PER 1,000 LIVE BIRTHS.
NEONATES ARE INFANTS IN THE FIRST 27 DAYS OF LIFE.
POST-NEONATES ARE 28 DAYS UP TO ONE YEAR OF AGE.

TABLE 47. INFANT DEATHS BY COUNTY OF RESIDENCE AND AGE AT TIME OF DEATH, OREGON, 1986

COUNTY OF RSIDENCE	TOTAL INFANT DEATHS	INFANT DEATH RATE 1/	AGE UNDER 28 DAYS- NEONATAL DEATHS				NEO-NATAL RATE	POST-NEO-NATAL DEATHS	POST-NEO-NATAL RATE
			TOTAL NEO-NATAL	< 1 DAY	1-6 DAYS	7-27 DAYS			
TOTAL......	368	9.5	183	110	39	34	4.7	185	4.8
BAKER......	2	10.9	-	-	-	-	.0	2	10.9
BENTON.....	8	9.3	3	1	1	1	3.5	5	5.8
CLACKAMAS..	29	8.8	14	8	3	3	4.3	15	4.6
CLATSOP....	4	9.0	-	-	-	-	.0	4	9.0
COLUMBIA...	5	10.5	4	3	-	1	8.4	1	2.1
COOS.......	11	14.3	5	2	3	-	6.5	6	7.8
CROOK......	2	11.5	1	1	-	-	5.7	1	5.7
CURRY......	-	-	-	-	-	-	-	-	-
DESCHUTES..	10	10.6	4	2	1	1	4.3	6	6.4
DOUGLAS....	12	9.3	8	2	1	5	6.2	4	3.1
GILLIAM....	-	-	-	-	-	-	-	-	-
GRANT......	1	8.5	1	1	-	-	8.5	-	.0
HARNEY.....	-	-	-	-	-	-	-	-	-
HOOD RIVER.	2	7.2	-	-	-	-	.0	2	7.2
JACKSON....	21	10.8	13	12	-	1	6.7	8	4.1
JEFFERSON..	3	10.8	2	1	-	1	7.2	1	3.6
JOSEPHINE..	15	20.1+	8	3	3	2	10.7	7	9.4
KLAMATH....	10	11.4	5	3	2	-	5.7	5	5.7
LAKE.......	-	-	-	-	-	-	-	-	-
LANE.......	25	6.8	14	11	1	2	3.8	11	3.0
LINCOLN....	3	6.9	2	2	-	-	4.6	1	2.3
LINN.......	11	8.6	5	1	2	2	3.9	6	4.7
MALHEUR....	9	20.9	6	5	-	1	13.9	3	7.0
MARION.....	32	9.5	15	11	2	2	4.5	17	5.1
MORROW.....	1	6.6	-	-	-	-	.0	1	6.6
MULTNOMAH..	76	8.8	36	21	9	6	4.2	40	4.6
POLK.......	4	6.0	1	-	-	1	1.5	3	4.5
SHERMAN....	-	-	-	-	-	-	-	-	-
TILLAMOOK..	3	11.2	2	1	1	-	7.5	1	3.7
UMATILLA...	13	13.5	5	2	3	-	5.2	8	8.3
UNION......	5	16.1	2	-	2	-	6.4	3	9.6
WALLOWA....	-	-	-	-	-	-	-	-	-
WASCO......	1	3.8	-	-	-	-	.0	1	3.8
WASHINGTON.	41	9.6	22	12	5	5	5.2	19	4.4
WHEELER....	-	-	-	-	-	-	-	-	-
YAMHILL....	9	9.4	5	5	-	-	5.2	4	4.2

- QUANTITY IS ZERO

1/ RATES PER 1,000 BIRTHS

NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY BELOW STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 48. DEATHS BY COUNTY OF RESIDENCE, AGE AND SEX, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL	SEX AND AGE GROUPS									
		TOTAL		UNDER 1		1-4		5-14		15-24	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL......	23,328	12,490	10,838	214	154	56	35	50	34	315	109
BAKER......	183	105	78	1	1	-	-	-	-	1	1
BENTON.....	367	189	178	3	5	1	1	-	-	5	2
CLACKAMAS..	1,840	964	876	15	14	7	2	3	6	37	15
CLATSOP....	324	162	162	1	3	-	-	-	-	2	-
COLUMBIA...	307	182	125	2	3	1	-	1	1	5	1
COOS.......	627	353	274	6	5	3	2	1	1	16	4
CROOK......	132	69	63	-	2	-	1	1	-	1	1
CURRY......	194	118	76	-	-	-	-	2	-	-	1
DESCHUTES..	536	311	225	8	2	1	2	-	1	7	2
DOUGLAS....	801	456	345	9	3	1	1	-	3	10	4
GILLIAM....	12	10	2	-	-	-	-	-	-	-	-
GRANT......	80	41	39	-	1	-	-	-	-	2	-
HARNEY.....	63	39	24	-	-	-	1	-	-	2	1
HOOD RIVER.	161	87	74	2	-	1	-	-	-	1	1
JACKSON....	1,276	716	560	11	10	2	1	1	2	17	5
JEFFERSON..	86	42	44	1	2	1	-	-	-	2	3
JOSEPHINE..	683	381	302	8	7	1	-	1	1	8	1
KLAMATH....	491	307	184	6	4	1	1	1	-	7	1
LAKE.......	58	41	17	-	-	-	-	-	-	1	-
LANE.......	2,151	1,182	969	12	13	6	4	2	2	21	10
LINCOLN....	429	251	178	2	1	2	2	1	1	7	2
LINN.......	781	443	338	7	4	3	1	1	1	6	1
MALHEUR....	260	145	115	4	5	2	1	1	-	5	1
MARION.....	1,899	994	905	24	8	1	3	4	3	25	5
MORROW.....	52	35	17	1	-	-	-	-	-	2	-
MULTNOMAH..	5,679	2,828	2,851	44	32	14	6	16	8	68	27
POLK.......	371	202	169	2	2	2	-	1	-	2	-
SHERMAN....	13	9	4	-	-	-	-	-	-	1	-
TILLAMOOK..	236	142	94	2	1	-	-	2	-	5	1
UMATILLA...	535	309	226	10	3	1	2	3	1	7	3
UNION......	170	81	89	3	2	-	-	-	-	3	-
WALLOWA....	75	39	36	-	-	-	-	2	-	2	-
WASCO......	228	113	115	-	1	1	1	1	-	1	-
WASHINGTON.	1,749	891	858	26	15	4	2	4	2	31	13
WHEELER....	13	9	4	-	-	-	-	-	-	-	-
YAMHILL....	466	244	222	4	5	-	1	1	1	5	3

- QUANTITY IS ZERO

TABLE 48. DEATHS, 1986 CONTINUED

COUNTY OF RESIDENCE	SEX AND AGE GROUPS											
	25-34		35-44		45-54		55-64		65-74		75+	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL......	410	144	436	235	685	410	1,728	1,030	3,317	2,188	5,279	6,499
BAKER......	-	-	1	2	3	3	17	4	29	19	53	48
BENTON.....	4	4	7	3	8	7	26	16	50	36	85	104
CLACKAMAS..	29	12	17	20	63	43	155	77	240	173	398	514
CLATSOP....	3	2	5	4	9	2	26	16	46	30	70	105
COLUMBIA...	5	1	2	2	9	7	34	12	49	25	74	73
COOS.......	9	4	13	8	22	19	43	30	94	72	146	129
CROOK......	1	-	-	2	5	1	6	10	23	16	32	30
CURRY......	3	-	1	1	5	1	15	9	41	16	51	48
DESCHUTES..	10	4	14	6	12	8	46	21	89	53	124	126
DOUGLAS....	11	4	11	11	23	13	73	26	142	83	176	197
GILLIAM....	-	-	1	-	-	-	3	-	3	1	3	1
GRANT......	-	2	2	-	4	-	2	6	13	6	18	24
HARNEY.....	4	-	-	-	3	-	5	4	14	8	11	10
HOOD RIVER.	3	-	3	1	4	2	11	9	11	16	51	45
JACKSON....	21	5	30	13	38	19	100	57	197	122	299	326
JEFFERSON..	1	3	2	2	3	3	5	6	10	7	17	18
JOSEPHINE..	11	3	9	3	17	13	48	29	106	58	172	187
KLAMATH....	8	1	12	1	13	4	45	15	91	44	123	113
LAKE.......	2	-	3	-	4	1	4	1	11	2	16	13
LANE.......	36	14	52	18	74	41	148	90	313	219	518	558
LINCOLN....	9	4	3	6	6	4	36	18	92	50	93	90
LINN.......	16	3	16	4	29	11	48	30	135	83	182	200
MALHEUR....	3	-	2	4	6	2	15	10	42	19	65	73
MARION.....	36	9	30	16	56	27	121	101	249	185	448	548
MORROW.....	-	1	2	1	2	-	7	3	9	4	12	8
MULTNOMAH..	127	36	134	66	166	101	402	263	703	494	1,154	1,818
POLK.......	1	3	7	4	10	7	25	14	62	24	90	115
SHERMAN....	-	-	-	-	-	-	1	-	2	3	5	1
TILLAMOOK..	4	3	4	-	6	4	28	11	38	21	53	53
UMATILLA...	10	5	12	9	12	8	42	24	78	46	134	125
UNION......	-	2	1	-	1	1	12	11	12	18	49	55
WALLOWA....	3	1	-	1	2	1	6	4	11	7	13	22
WASCO......	4	-	1	2	5	8	14	10	28	25	58	68
WASHINGTON.	32	17	28	20	52	46	129	78	224	160	361	505
WHEELER....	-	-	-	-	1	-	4	-	1	3	3	1
YAMHILL....	4	1	11	5	12	3	26	15	59	40	122	148

- QUANTITY IS ZERO

TABLE 49. LEADING CAUSES OF DEATH BY COUNTY OF RESIDENCE OF DECEASED, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL	DISEASE OF THE HEART	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	ACCIDENTS	BRONCHITIS, EMPHY- SEMA, ASTHMA & CHRONIC OBSTRUCTIVE PULMONARY DISEASE	INFLUENZA & PNEUMONIA	SUICIDE	ARTERIOSCLEROSIS	DIABETES MELLITUS
TOTAL......	23,328	7,788	5,272	1,926	1,184	1,090	742	450	417	328
RATE 1/....	877.2	292.8	198.2	72.4	44.5	41.0	27.9	16.9	15.7	12.3
BAKER......	183	52	42	7	10	12	9	-	3	3
BENTON.....	367	125	91	34	17	19	10	4	6	5
CLACKAMAS..	1,840	643	419	154	95	87	64	31	36	17
CLATSOP....	324	116	76	18	13	13	10	6	4	1
COLUMBIA...	307	120	71	20	18	17	6	9	2	4
COOS.......	627	204	159	46	42	25	10	15	8	11
CROOK......	132	29	32	12	4	5	7	3	11	2
CURRY......	194	70	45	9	13	6	6	3	6	5
DESCHUTES..	536	157	116	47	36	22	22	10	14	7
DOUGLAS....	801	278	171	67	36	55	30	12	16	12
GILLIAM....	12	4	3	1	-	2	-	-	-	-
GRANT......	80	28	18	4	8	1	1	4	-	-
HARNEY.....	63	13	16	9	10	1	2	4	-	-
HOOD RIVER.	161	47	40	16	6	5	3	2	1	2
JACKSON....	1,276	427	305	111	62	65	37	26	9	20
JEFFERSON..	86	22	12	9	13	5	5	2	2	-
JOSEPHINE..	683	220	151	57	31	37	16	13	4	12
KLAMATH....	491	162	112	41	25	21	15	15	8	10
LAKE.......	58	22	9	5	3	2	-	2	-	1
LANE.......	2,151	633	505	185	105	137	79	48	41	37
LINCOLN....	429	139	109	21	28	25	18	7	7	9
LINN.......	781	291	169	59	43	31	24	15	10	11
MALHEUR....	260	95	61	20	15	6	5	2	6	5
MARION.....	1,899	689	402	163	84	84	61	30	25	27
MORROW.....	52	18	13	4	3	3	1	-	5	2
MULTNOMAH..	5,679	1,875	1,244	500	248	220	184	110	124	71
POLK.......	371	144	86	31	10	14	11	4	10	5
SHERMAN....	13	5	4	1	-	-	-	1	-	-
TILLAMOOK..	236	78	49	17	17	13	3	4	4	4
UMATILLA...	535	175	109	27	45	27	26	15	4	11
UNION......	170	53	34	12	6	16	9	4	2	3
WALLOWA....	75	35	11	1	7	6	5	4	1	1
WASCO......	228	77	57	13	19	12	11	1	2	5
WASHINGTON.	1,749	585	430	154	87	72	37	35	40	15
WHEELER....	13	4	3	-	3	1	-	-	1	-
YAMHILL....	466	153	98	51	22	23	15	9	5	10

- QUANTITY IS ZERO

1/ RATES PER 100,000 POPULATION

TABLE 49. LEADING CAUSES OF DEATH BY COUNTY OREGON, 1986, CONTINUED

COUNTY OF RESIDENCE	ALCOHOLISM, ALCOHOLIC CIRRHOSIS & ALCOHOLIC PSYCHOSIS	OTHER DISEASES OF ARTERIES	HOMICIDE	CONGENITAL ANOMALIES	SUDDEN INFANT DEATH SYNDROME	CERTAIN CAUSES IN EARLY INFANCY	HYPERTENSION WITH OR WITHOUT RENAL DISEASE	NEPHRITIS & NEPHROSIS	PEPTIC ULCER	ALL OTHER CAUSES
TOTAL......	325	272	181	142	121	119	116	113	78	2,664
RATE 1/....	12.2	10.2	6.8	5.3	4.5	4.5	4.4	4.2	2.9	100.2
BAKER......	3	3	-	-	2	-	2	2	-	33
BENTON.....	-	5	2	1	3	3	3	2	-	37
CLACKAMAS..	28	18	14	14	10	7	11	13	3	176
CLATSOP....	2	5	2	1	1	1	-	4	2	49
COLUMBIA...	1	4	1	2	-	2	2	2	3	23
COOS.......	11	9	4	5	3	3	3	3	4	62
CROOK......	2	3	2	2	1	-	1	2	-	14
CURRY......	3	1	-	-	-	-	-	-	1	26
DESCHUTES..	10	7	8	1	5	2	-	2	2	68
DOUGLAS....	3	11	5	4	3	5	7	-	3	83
GILLIAM....	-	-	-	-	-	-	-	-	-	2
GRANT......	1	1	1	-	-	1	1	1	-	10
HARNEY.....	1	-	2	1	-	-	-	-	-	4
HOOD RIVER.	-	3	1	-	1	1	1	-	1	31
JACKSON....	23	7	8	5	7	9	3	3	4	145
JEFFERSON..	3	2	-	3	1	-	-	-	-	7
JOSEPHINE..	6	9	6	6	7	3	4	3	2	96
KLAMATH....	4	4	5	3	4	3	3	5	-	51
LAKE.......	2	1	1	-	-	-	-	-	1	9
LANE.......	22	23	14	10	7	9	13	10	5	268
LINCOLN....	9	12	-	2	1	1	3	2	4	32
LINN.......	8	9	5	4	3	2	4	3	3	87
MALHEUR....	3	4	2	3	-	4	2	-	1	26
MARION.....	16	30	19	16	13	10	11	6	7	206
MORROW.....	-	-	1	-	1	-	-	-	-	1
MULTNOMAH..	128	61	53	36	22	27	23	38	20	695
POLK.......	3	4	2	1	1	1	3	-	1	40
SHERMAN....	-	-	-	-	-	-	-	-	-	2
TILLAMOOK..	3	3	4	1	1	2	1	1	-	31
UMATILLA...	9	5	5	3	5	3	1	4	1	60
UNION......	2	2	1	1	3	1	-	1	3	17
WALLOWA....	1	2	-	-	-	-	-	-	-	1
WASCO......	-	2	-	1	-	-	-	1	2	25
WASHINGTON.	18	17	12	12	13	16	11	3	5	187
WHEELER....	-	-	-	-	-	-	-	-	-	1
YAMHILL....	-	5	1	4	3	3	3	2	-	59

- QUANTITY IS ZERO

1/ RATES PER 100,000 POPULATION

TABLE 50. DEATHS BY COUNTY OF RESIDENCE BY SEX AND RACE, OREGON, 1986

COUNTY OF RESIDENCE	TOTAL	MALE	FEMALE	RACE								
				TOTAL WHITE *	HIS-PANIC	BLACK	INDIAN	CHI-NESE	JAPA-NESE	OTHER ASIAN & PACIFIC ISLANDER	OTHER NON-WHITE	N.S.
TOTAL......	23,328	12,490	10,838	22,764	96	289	120	39	42	51	21	2
BAKER......	183	105	78	183	-	-	-	-	-	-	-	-
BENTON.....	367	189	178	364	-	1	-	-	-	1	1	-
CLACKAMAS..	1,840	964	876	1,824	4	1	4	2	5	3	1	-
CLATSOP....	324	162	162	321	1	-	-	1	-	1	1	-
COLUMBIA...	307	182	125	306	-	1	-	-	-	-	-	-
COOS.......	627	353	274	622	-	-	4	-	-	1	-	-
CROOK......	132	69	63	131	-	-	1	-	-	-	-	-
CURRY......	194	118	76	192	-	-	2	-	-	-	-	-
DESCHUTES..	536	311	225	536	2	-	-	-	-	-	-	-
DOUGLAS....	801	456	345	798	1	1	-	-	-	2	-	-
GILLIAM....	12	10	2	12	-	-	-	-	-	-	-	-
GRANT......	80	41	39	80	-	-	-	-	-	-	-	-
HARNEY.....	63	39	24	62	-	-	1	-	-	-	-	-
HOOD RIVER.	161	87	74	157	2	-	1	-	2	1	-	-
JACKSON....	1,276	716	560	1,273	4	-	2	1	-	-	-	-
JEFFERSON..	86	42	44	71	1	1	14	-	-	-	-	-
JOSEPHINE..	683	381	302	681	1	-	2	-	-	-	-	-
KLAMATH....	491	307	184	475	7	1	10	1	1	1	1	1
LAKE.......	58	41	17	57	-	-	-	-	-	-	1	-
LANE.......	2,151	1,182	969	2,138	2	3	5	1	1	3	-	-
LINCOLN....	429	251	178	420	1	1	6	-	1	1	-	-
LINN.......	781	443	338	773	1	2	1	2	-	2	-	1
MALHEUR....	260	145	115	251	8	1	1	-	7	-	-	-
MARION.....	1,899	994	905	1,877	24	9	6	1	1	4	1	-
MORROW.....	52	35	17	51	1	-	-	1	-	-	-	-
MULTNOMAH..	5,679	2,828	2,851	5,302	18	262	39	24	22	18	12	-
POLK.......	371	202	169	367	3	3	1	-	-	-	-	-
SHERMAN....	13	9	4	13	-	-	-	-	-	-	-	-
TILLAMOOK..	236	142	94	235	-	-	-	1	-	-	-	-
UMATILLA...	535	309	226	520	4	-	12	1	2	-	-	-
UNION......	170	81	89	170	-	-	-	-	-	-	-	-
WALLOWA....	75	39	36	75	-	-	-	-	-	-	-	-
WASCO......	228	113	115	225	-	-	3	-	-	-	-	-
WASHINGTON.	1,749	891	858	1,726	8	2	4	3	-	11	3	-
WHEELER....	13	9	4	13	-	-	-	-	-	-	-	-
YAMHILL....	466	244	222	463	3	-	1	-	-	2	-	-

- QUANTITY IS ZERO

* THE NUMBER OF HISPANIC DEATHS IS NOT COMPLETE SINCE CERTIFICATES REQUEST RACIAL RATHER THAN ETHNIC ORIGINS. ALL HISPANIC ENTRIES ARE RECORDED AS WHITE IN NATIONAL VITAL STATISTICS. TOTAL WHITE INCLUDES HISPANIC. OTHER NON-WHITE INCLUDES GROUPS IN WHICH THE STATE TOTAL IS LESS THAN 20 (HAWAIIAN, FILIPINO).

TABLE 51. ACCIDENTAL DEATHS BY PRINCIPAL CLASSES AND COUNTY OF ACCIDENT, OREGON, 1986

COUNTY OF ACCIDENT	TOTAL ACCIDENTS	DEATH RATE 1/	MOTOR VEHICLE	HOME	OCCUPATIONAL	PUBLIC	UNCLASSIFIED
TOTAL ACCIDENTS	1,192	44.8	651	214	58	226	43
BAKER......	15	96.8+	10	2	2	1	-
BENTON.....	14	21.2-	7	3	1	3	-
CLACKAMAS..	93	37.5	50	16	4	22	1
CLATSOP....	19	57.8	9	3	2	4	1
COLUMBIA...	21	58.2	15	1	-	5	-
COOS.......	42	73.0+	22	11	2	7	-
CROOK......	4	29.6	3	-	-	1	-
CURRY......	11	65.1	4	2	1	4	-
DESCHUTES..	39	59.6	28	6	-	5	-
DOUGLAS....	41	44.2	25	3	9	4	-
GILLIAM....	3	166.7	3	-	-	-	-
GRANT......	13	155.7+	9	-	1	3	-
HARNEY.....	17	239.4+	4	2	3	8	-
HOOD RIVER.	9	55.6	4	3	1	1	-
JACKSON....	50	36.1	24	13	1	11	1
JEFFERSON..	11	91.7	6	2	1	2	-
JOSEPHINE..	36	58.6	21	8	4	3	-
KLAMATH....	31	54.7	23	4	2	1	1
LAKE.......	6	82.2	4	-	2	-	-
LANE.......	100	38.2	58	14	6	21	1
LINCOLN....	24	65.0	17	3	-	4	-
LINN.......	42	48.8	22	8	5	7	-
MALHEUR....	19	72.5	12	1	-	6	-
MARION.....	74	35.4	48	13	3	10	-
MORROW.....	10	128.2+	8	-	-	2	-
MULTNOMAH..	215	10.9-	113	63	3	33	3
POLK.......	14	30.7	10	4	-	-	-
SHERMAN....	4	190.5	4	-	-	-	-
TILLAMOOK..	19	89.2+	9	3	1	6	-
UMATILLA...	30	51.1	19	3	1	6	1
UNION......	10	43.5	3	5	-	2	-
WALLOWA....	3	41.7	2	-	-	1	-
WASCO......	20	92.6+	9	4	1	6	-
WASHINGTON.	50	18.3-	34	10	1	5	-
WHEELER....	3	200.0	2	1	-	-	-
YAMHILL....	15	26.3-	8	2	1	4	-

- QUANTITY IS ZERO
1/ RATE PER 100,000 POPULATION
NOTE: SYMBOL - DENOTES RATE IS SIGNIFICANTLY BELOW STATE RATE
SYMBOL + DENOTES RATE IS SIGNIFICANTLY GREATER THAN STATE RATE

TABLE 52. ALL DEATHS AND MEDICAL EXAMINER'S CASES BY COUNTY OF OCCURRENCE AND AUTOPSY STATUS, OREGON, 1986

COUNTY OF OCCURRENCE	TOTAL DEATHS	TOTAL DEATHS AUTOPSIED	PERCENT OF TOTAL DEATHS AUTOPSIED	M.E. CASES	M.E. CASES AUTOPSIED	PERCENT OF M.E. CASES AUTOPSIED
TOTAL......	23,439	2,343	10.0	3,801	1,029	27.1
BAKER......	168	7	4.2	40	7	17.5
BENTON.....	394	44	11.2	47	17	36.2
CLACKAMAS..	1,752	123	7.0	232	59	25.4
CLATSOP....	280	16	5.7	47	9	19.1
COLUMBIA...	178	10	5.6	41	5	12.2
COOS.......	582	26	4.5	106	19	17.9
CROOK......	110	9	8.2	28	7	25.0
CURRY......	134	4	3.0	30	3	10.0
DESCHUTES..	586	61	10.4	121	34	28.1
DOUGLAS....	888	90	10.1	146	36	24.7
GILLIAM....	5	1	20.0	4	1	25.0
GRANT......	68	4	5.9	25	2	8.0
HARNEY.....	57	11	19.3	23	11	47.8
HOOD RIVER.	152	6	3.9	19	3	15.8
JACKSON....	1,287	106	8.2	216	52	24.1
JEFFERSON..	71	7	9.9	18	6	33.3
JOSEPHINE..	683	42	6.1	108	30	27.8
KLAMATH....	494	39	7.9	102	35	34.3
LAKE.......	52	8	15.4	16	7	43.8
LANE.......	2,145	240	11.2	285	127	44.6
LINCOLN....	370	31	8.4	73	14	19.2
LINN.......	646	47	7.3	118	32	27.1
MALHEUR....	303	27	8.9	66	7	10.6
MARION.....	1,917	149	7.8	221	67	30.3
MORROW.....	33	5	15.2	18	5	27.8
MULTNOMAH..	6,687	924	13.8	1,133	309	27.3
POLK.......	250	20	8.0	30	10	33.3
SHERMAN....	6	0	.0	4	0	.0
TILLAMOOK..	205	11	5.4	40	8	20.0
UMATILLA...	437	29	6.6	96	20	20.8
UNION......	155	8	5.2	27	7	25.9
WALLOWA....	58	3	5.2	9	3	33.3
WASCO......	224	11	4.9	25	3	12.0
WASHINGTON.	1,674	199	11.9	239	67	28.0
WHEELER....	5	0	.0	5	0	.0
YAMHILL....	383	25	6.5	43	7	16.3

TABLE 53. DEATHS OCCURRING IN OREGON BY COUNTY OF RESIDENCE AND DISPOSAL OF REMAINS, 1986

COUNTY OF RESIDENCE	TOTAL	BURIAL	CREMATION	MAUSOLEUM	REMOVAL	OTHER
TOTAL......	23,439	11,830	7,962	1,494	2,114	39
PERCENT....	100.0%	50.4%	34.0%	6.4%	9.0%	0.2%
BAKER......	214	116	19	-	79	-
BENTON.....	375	179	152	19	25	-
CLACKAMAS..	1,954	951	610	200	190	3
CLATSOP....	321	178	114	7	21	1
COLUMBIA...	248	148	75	13	12	-
COOS.......	620	305	271	16	27	1
CROOK......	136	82	42	3	9	-
CURRY......	177	71	90	-	14	2
DESCHUTES..	520	251	213	16	40	-
DOUGLAS....	782	407	310	14	51	-
GILLIAM....	16	8	2	-	6	-
GRANT......	77	65	8	2	2	-
HARNEY.....	65	45	15	-	5	-
HOOD RIVER.	162	83	48	11	20	-
JACKSON....	1,237	557	555	39	85	1
JEFFERSON..	86	59	25	1	1	-
JOSEPHINE..	670	278	320	11	60	1
KLAMATH....	478	256	177	10	35	-
LAKE.......	65	36	22	-	7	-
LANE.......	2,100	1,029	869	81	116	5
LINCOLN....	416	175	206	20	15	-
LINN.......	763	494	212	21	35	1
MALHEUR....	218	140	3	-	75	-
MARION.....	1,852	1,012	606	116	117	1
MORROW.....	46	34	1	-	11	-
MULTNOMAH..	5,552	2,718	1,868	658	296	12
POLK.......	366	212	117	19	18	-
SHERMAN....	11	6	5	-	-	-
TILLAMOOK..	230	133	77	12	5	3
UMATILLA...	412	280	5	8	119	-
UNION......	154	124	4	3	23	-
WALLOWA....	60	47	3	-	10	-
WASCO......	223	134	59	14	16	-
WASHINGTON.	1,705	842	602	137	118	6
WHEELER....	12	8	-	1	3	-
YAMHILL....	461	285	113	38	24	1
OUT-OF-STATE....	655	82	144	4	424	1

- QUANTITY IS ZERO

TABLE 54. DEATHS BY SELECTED CAUSES BY CITY, OREGON RESIDENTS, 1986

SELECTED CAUSES OF DEATH	OREGON	RATE	CITY OF RESIDENCE					
			PORTLAND		EUGENE		SALEM	
			NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	23,328	877.2	4,143	1040.5	847	795.5	1,056	1131.8
TUBERCULOSIS (010-018,137)	12	.5	4	1.0	-	-	-	-
SEPTICEMIA (038)	67	2.5	12	3.0	4	3.8	4	4.3
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	10	.4	1	.3	1	.9	1	1.1
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	89	3.3	30	7.5	-	-	2	2.1
MALIGNANT NEOPLASMS (140-208)	5,272	198.2	935	234.8	188	176.6	231	247.6
BUCCAL CAVITY & PHARYNX (140-149)	76	2.9	25	6.3	2	1.9	4	4.3
DIGESTIVE ORGANS & PERITONEUM (150-159)	1,254	47.2	211	53.0	42	39.4	71	76.1
LARGE INTESTINE (153)	491	18.5	88	22.1	17	16.0	20	21.4
PANCREAS (157)	267	10.0	43	10.8	11	10.3	18	19.3
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	1,651	62.1	275	69.1	58	54.5	65	69.7
BRONCHUS AND LUNG (162.2-162.9)	1,595	60.0	266	66.8	56	52.6	63	67.5
MALIGNANT MELANOMA (172)	67	2.5	8	2.0	1	.9	4	4.3
OTHER SKIN (173)	26	1.0	4	1.0	-	-	2	2.1
BREAST (174-175)	447	16.8	102	25.6	17	16.0	13	13.9
GENITAL ORGANS (179-187)	610	22.9	109	27.4	23	21.6	22	23.6
CERVIX & UTERUS (179-182)	96	3.6	21	5.3	4	3.8	2	2.1
OVARY (183.0)	129	4.9	27	6.8	7	6.6	7	7.5
PROSTATE (185)	361	13.6	59	14.8	11	10.3	13	13.9
URINARY ORGANS (188-189)	200	7.5	36	9.0	11	10.3	3	3.2
LEUKEMIA (204-208)	200	7.5	36	9.0	7	6.6	9	9.6
BENIGN NEOPLASMS (210-229)	8	.3	1	.3	1	.9	1	1.1
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	40	1.5	4	1.0	1	.9	2	2.1
DIABETES MELLITUS (250)	328	12.3	53	13.3	15	14.1	16	17.1
NUTRITIONAL DEFICIENCIES (260-269)	20	.8	5	1.3	-	-	-	-
ANEMIAS (280-285)	23	.9	5	1.3	3	2.8	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	51	1.9	13	3.3	-	-	2	2.1
DRUG DEPENDENCE (304)	32	1.2	18	4.5	1	.9	1	1.1
MENINGITIS (302-322)	14	.5	3	.8	-	-	1	1.1
ALZHEIMER'S DISEASE (331)	225	8.5	37	9.3	13	12.2	6	6.4
PARKINSON'S DISEASE (332)	102	3.8	20	5.0	7	6.6	5	5.4
EPILEPSY (345)	20	.8	1	.3	2	1.9	3	3.2
MAJOR CARDIOVASCULAR DISEASES (390-448)	10,527	395.8	1,857	466.4	359	337.2	511	547.7
DISEASES OF THE HEART (390-398,402,404-429)	7,796	293.1	1,339	336.3	252	236.7	394	422.3
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	104	3.9	22	5.5	3	2.8	4	4.3
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	196	7.4	46	11.6	11	10.3	12	12.9
ISCHEMIC HEART DISEASE (410-414)	5,808	218.4	1,009	253.4	187	175.6	288	308.7
MYOCARDIAL INFARCTION (410)	2,190	82.3	352	88.4	57	53.5	129	138.3
OTHER ACUTE & SUBACUTE (411)	17	.6	2	.5	-	-	2	2.1
CHRONIC ISCHEMIC HEART DISEASE (412-414)	3,601	135.4	655	164.5	130	122.1	157	168.3
ALL OTHER FORMS (415-429)	1,688	63.5	262	65.8	51	47.9	90	96.5
HYPERTENSION (401,403)	116	4.4	15	3.8	2	1.9	4	4.3
CEREBROVASCULAR DISEASE (430-438)	1,926	72.4	367	92.2	81	76.1	80	85.7
SUBARACHNOID HEMORRHAGE (430)	76	2.9	12	3.0	4	3.8	4	4.3
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	209	7.9	50	12.6	9	8.5	13	13.9
CEREBRAL THROMBOSIS & EMBOLISM (434)	298	11.2	61	15.3	23	21.6	14	15.0
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1,122	42.2	200	50.2	32	30.1	46	49.3
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	162	6.1	34	8.5	11	10.3	2	2.1
ARTERIOSCLEROSIS (440)	417	15.7	90	22.6	16	15.0	16	17.1
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	272	10.2	46	11.6	8	7.5	17	18.2
VENOUS THROMBOSIS & EMBOLISM (451-453)	27	1.0	4	1.0	1	.9	2	2.1
PNEUMONIA (480-486)	715	26.9	123	30.9	30	28.2	32	34.3
INFLUENZA (487)	27	1.0	1	.3	2	1.9	1	1.1
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,090	41.0	151	37.9	44	41.3	43	46.1
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	78	2.9	13	3.3	5	4.7	3	3.2
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	48	1.8	8	2.0	2	1.9	3	3.2
CIRRHOSIS OF THE LIVER (571)	308	11.6	93	23.4	9	8.5	12	12.9
ALCOHOLIC CIRRHOSIS(571.0-571.3)	264	9.9	91	22.9	6	5.6	10	10.7
DISEASES OF THE GALLBLADDER (574-576)	29	1.1	7	1.8	2	1.9	2	2.1
DISEASES OF THE PANCREAS (577)	20	.8	4	1.0	1	.9	-	-
INFECTIONS OF THE KIDNEY (590)	26	1.0	8	2.0	1	.9	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	8	.3	2	.5	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	5	.2	1	.3	-	-	1	1.1
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	4	.2	1	.3	-	-	-	-
CONGENITAL ANOMALIES (740-759)	142	5.3	24	6.0	2	1.9	10	10.7
CERTAIN CAUSES IN EARLY INFANCY (760-779)	119	4.5	20	5.0	6	5.6	8	8.6
SENILITY (797)	7	.3	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	121	4.5	19	4.8	2	1.9	9	9.6
ALL OTHER NATURAL CAUSES	3,601	135.4	635	159.5	141	132.4	142	152.2
ACCIDENTS (800-949)	1,184	44.5	171	42.9	38	35.7	41	43.9
MOTOR VEHICLE ACCIDENTS (810-825)	638	24.0	77	19.3	19	17.8	27	28.9
SUICIDES (950-959)	450	16.9	79	19.8	23	21.6	16	17.1
HOMICIDES (960-978)	181	6.8	41	10.3	4	3.8	9	9.6
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	64	2.4	18	4.5	5	4.7	1	1.1

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY,OREGON RESIDENTS, 1986

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	BAKER		BENTON		CLACKAMAS		CLATSOP	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	183	1180.6	367	555.2	1,840	741.3	324	984.8
TUBERCULOSIS (010-018,137)	-	-	-	-	2	.8	-	-
SEPTICEMIA (038)	-	-	1	1.5	4	1.6	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	2	12.9	1	1.5	6	2.4	1	3.0
MALIGNANT NEOPLASMS (140-208)	42	271.0	91	137.7	419	168.8	76	231.0
BUCCAL CAVITY & PHARYNX (140-149)	-	-	3	4.5	6	2.4	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	14	90.3	17	25.7	94	37.9	22	66.9
LARGE INTESTINE (153)	8	51.6	6	9.1	43	17.3	10	30.4
PANCREAS (157)	3	19.4	2	3.0	19	7.7	4	12.2
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	11	71.0	28	42.4	132	53.2	26	79.0
BRONCHUS AND LUNG (162.2-162.9)	10	64.5	26	39.3	128	51.6	23	69.9
MALIGNANT MELANOMA (172)	-	-	1	1.5	6	2.4	1	3.0
OTHER SKIN (173)	-	-	-	-	1	.4	1	3.0
BREAST (174-175)	1	6.5	12	18.2	37	14.9	8	24.3
GENITAL ORGANS (179-187)	9	58.1	13	19.7	50	20.1	7	21.3
CERVIX & UTERUS (179-182)	-	-	3	4.5	14	5.6	4	12.2
OVARY (183.0)	2	12.9	2	3.0	14	5.6	3	9.1
PROSTATE (185)	6	38.7	6	9.1	22	8.9	-	-
URINARY ORGANS (188-189)	2	12.9	2	3.0	17	6.8	-	-
LEUKEMIA (204-208)	-	-	3	4.5	13	5.2	3	9.1
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	-	-	1	.4	-	-
DIABETES MELLITUS (250)	3	19.4	5	7.6	17	6.8	1	3.0
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	3	1.2	1	3.0
ANEMIAS (280-285)	-	-	-	-	1	.4	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	-	-	-	-	8	3.2	1	3.0
DRUG DEPENDENCE (304)	-	-	-	-	2	.8	-	-
MENINGITIS (302-322)	-	-	-	-	1	.4	1	3.0
ALZHEIMER'S DISEASE (331)	1	6.5	6	9.1	18	7.3	1	3.0
PARKINSON'S DISEASE (332)	2	12.9	3	4.5	6	2.4	2	6.1
EPILEPSY (345)	-	-	1	1.5	2	.8	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	67	432.3	173	261.7	864	348.1	143	434.7
DISEASES OF THE HEART (390-398,402,404-429)	52	335.5	125	189.1	645	259.9	116	352.6
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	6.5	4	6.1	7	2.8	1	3.0
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	3	19.4	5	7.6	20	8.1	2	6.1
ISCHEMIC HEART DISEASE (410-414)	42	271.0	84	127.1	477	192.2	90	273.6
MYOCARDIAL INFARCTION (410)	7	45.2	37	56.0	176	70.9	23	69.9
OTHER ACUTE & SUBACUTE (411)	-	-	1	1.5	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	35	225.8	46	69.6	301	121.3	67	203.6
ALL OTHER FORMS (415-429)	6	38.7	32	48.4	141	56.8	23	69.9
HYPERTENSION (401,403)	2	12.9	3	4.5	11	4.4	-	-
CEREBROVASCULAR DISEASE (430-438)	7	45.2	34	51.4	154	62.0	18	54.7
SUBARACHNOID HEMORRHAGE (430)	-	-	1	1.5	5	2.0	1	3.0
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	2	12.9	4	6.1	17	6.8	4	12.2
CEREBRAL THROMBOSIS & EMBOLISM (434)	1	6.5	4	6.1	21	8.5	1	3.0
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	3	19.4	18	27.2	89	35.9	8	24.3
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	7	10.6	18	7.3	2	6.1
ARTERIOSCLEROSIS (440)	3	19.4	6	9.1	36	14.5	4	12.2
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	3	19.4	5	7.6	18	7.3	5	15.2
VENOUS THROMBOSIS & EMBOLISM (451-453)	1	6.5	-	-	1	.4	-	-
PNEUMONIA (480-486)	9	58.1	10	15.1	62	25.0	10	30.4
INFLUENZA (487)	-	-	-	-	2	.8	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	12	77.4	19	28.7	87	35.1	13	39.5
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	-	-	-	-	3	1.2	2	6.1
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	2	3.0	5	2.0	2	6.1
CIRRHOSIS OF THE LIVER (571)	4	25.8	-	-	18	7.3	1	3.0
ALCOHOLIC CIRRHOSIS(571.0-571.3)	3	19.4	-	-	17	6.8	1	3.0
DISEASES OF THE GALLBLADDER (574-576)	-	-	-	-	-	-	-	-
DISEASES OF THE PANCREAS (577)	-	-	-	-	3	1.2	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	1	1.5	-	-	2	6.1
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	1	.4	-	-
CONGENITAL ANOMALIES (740-759)	-	-	1	1.5	14	5.6	1	3.0
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	3	4.5	7	2.8	1	3.0
SENILITY (797)	-	-	-	-	-	-	1	3.0
SUDDEN INFANT DEATH SYNDROME (798.0)	2	12.9	3	4.5	10	4.0	1	3.0
ALL OTHER NATURAL CAUSES	36	232.3	45	68.1	260	104.8	59	179.3
ACCIDENTS (800-949)	10	64.5	17	25.7	95	38.3	13	39.5
MOTOR VEHICLE ACCIDENTS (810-825)	4	25.8	12	18.2	55	22.2	8	24.3
SUICIDES (950-959)	-	-	4	6.1	31	12.5	6	18.2
HOMICIDES (960-978)	-	-	2	3.0	14	5.6	2	6.1
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	-	-	3	1.2	1	3.0

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY,OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	COLUMBIA		COOS		CROOK		CURRY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	307	850.4	627	1090.4	132	977.8	194	1147.9
TUBERCULOSIS (010-018,137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	1	2.8	3	5.2	2	14.8	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	1	2.8	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	2	3.5	1	7.4	1	5.9
MALIGNANT NEOPLASMS (140-208)	71	196.7	159	276.5	32	237.0	45	266.3
BUCCAL CAVITY & PHARYNX (140-149)	-	-	2	3.5	1	7.4	1	5.9
DIGESTIVE ORGANS & PERITONEUM (150-159)	13	36.0	35	60.9	11	81.5	10	59.2
LARGE INTESTINE (153)	6	16.6	7	12.2	2	14.8	4	23.7
PANCREAS (157)	3	8.3	7	12.2	2	14.8	2	11.8
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	21	58.2	57	99.1	9	66.7	20	118.3
BRONCHUS AND LUNG (162.2-162.9)	19	52.6	56	97.4	9	66.7	18	106.5
MALIGNANT MELANOMA (172)	2	5.5	1	1.7	-	-	-	-
OTHER SKIN (173)	2	5.5	-	-	-	-	-	-
BREAST (174-175)	3	8.3	5	8.7	1	7.4	4	23.7
GENITAL ORGANS (179-187)	4	11.1	22	38.3	4	29.6	4	23.7
CERVIX & UTERUS (179-182)	-	-	1	1.7	-	-	-	-
OVARY (183.0)	1	2.8	6	10.4	-	-	-	-
PROSTATE (185)	3	8.3	14	24.3	4	29.6	4	23.7
URINARY ORGANS (188-189)	1	2.8	6	10.4	3	22.2	1	5.9
LEUKEMIA (204-208)	4	11.1	8	13.9	1	7.4	2	11.8
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	1	5.9
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	-	-	-	-	2	11.8
DIABETES MELLITUS (250)	4	11.1	11	19.1	2	14.8	5	29.6
NUTRITIONAL DEFICIENCIES (260-269)	1	2.8	-	-	-	-	-	-
ANEMIAS (280-285)	-	-	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	-	-	2	3.5	-	-	2	11.8
DRUG DEPENDENCE (304)	-	-	1	1.7	-	-	-	-
MENINGITIS (302-322)	1	2.8	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	2	5.5	6	10.4	-	-	2	11.8
PARKINSON'S DISEASE (332)	-	-	1	1.7	1	7.4	2	11.8
EPILEPSY (345)	-	-	-	-	1	7.4	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	148	410.0	270	469.6	57	422.2	86	508.9
DISEASES OF THE HEART (390-398,402,404-429)	120	332.4	204	354.8	30	222.2	70	414.2
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	2.8	2	3.5	-	-	1	5.9
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	2	5.5	2	3.5	-	-	-	-
ISCHEMIC HEART DISEASE (410-414)	97	268.7	150	260.9	18	133.3	37	218.9
MYOCARDIAL INFARCTION (410)	30	83.1	60	104.3	5	37.0	17	100.6
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	67	185.6	90	156.5	13	96.3	20	118.3
ALL OTHER FORMS (415-429)	20	55.4	50	87.0	12	88.9	32	189.3
HYPERTENSION (401,403)	2	5.5	3	5.2	1	7.4	-	-
CEREBROVASCULAR DISEASE (430-438)	20	55.4	46	80.0	12	88.9	9	53.3
SUBARACHNOID HEMORRHAGE (430)	-	-	2	3.5	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	2.8	6	10.4	1	7.4	1	5.9
CEREBRAL THROMBOSIS & EMBOLISM (434)	2	5.5	11	19.1	1	7.4	2	11.8
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	14	38.8	25	43.5	6	44.4	4	23.7
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	1	1.7	3	22.2	-	-
ARTERIOSCLEROSIS (440)	2	5.5	8	13.9	11	81.5	6	35.5
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	4	11.1	9	15.7	3	22.2	1	5.9
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	-	-
PNEUMONIA (480-486)	4	11.1	10	17.4	7	51.9	6	35.5
INFLUENZA (487)	2	5.5	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	17	47.1	25	43.5	5	37.0	6	35.5
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	3	8.3	4	7.0	-	-	1	5.9
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	1	1.7	2	14.8	-	-
CIRRHOSIS OF THE LIVER (571)	2	5.5	9	15.7	2	14.8	1	5.9
ALCOHOLIC CIRRHOSIS(571.0-571.3)	1	2.8	9	15.7	1	7.4	1	5.9
DISEASES OF THE GALLBLADDER (574-576)	-	-	2	3.5	1	7.4	1	5.9
DISEASES OF THE PANCREAS (577)	-	-	-	-	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	-	-	1	5.9
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	2	5.5	5	8.7	2	14.8	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	2	5.5	3	5.2	-	-	-	-
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	3	5.2	1	7.4	-	-
ALL OTHER NATURAL CAUSES	44	121.9	107	186.1	14	103.7	32	189.3
ACCIDENTS (800-949)	18	49.9	42	73.0	4	29.6	13	76.9
MOTOR VEHICLE ACCIDENTS (810-825)	14	38.8	23	40.0	3	22.2	8	47.3
SUICIDES (950-959)	9	24.9	15	26.1	3	22.2	3	17.8
HOMICIDES (960-978)	1	2.8	4	7.0	2	14.8	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	2	3.5	1	7.4	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY,OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	DESCHUTES		DOUGLAS		GILLIAM		GRANT	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	536	819.6	801	864.1	12	666.7	80	958.1
TUBERCULOSIS (010-018,137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	2	3.1	1	1.1	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	1.5	1	1.1	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	116	177.4	171	184.5	3	166.7	18	215.6
BUCCAL CAVITY & PHARYNX (140-149)	1	1.5	2	2.2	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	24	36.7	45	48.5	-	-	3	35.9
LARGE INTESTINE (153)	9	13.8	22	23.7	-	-	2	24.0
PANCREAS (157)	9	13.8	3	3.2	-	-	-	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	50	76.5	54	58.3	1	55.6	6	71.9
BRONCHUS AND LUNG (162.2-162.9)	48	73.4	54	58.3	-	-	6	71.9
MALIGNANT MELANOMA (172)	3	4.6	1	1.1	-	-	-	-
OTHER SKIN (173)	1	1.5	3	3.2	-	-	-	-
BREAST (174-175)	8	12.2	14	15.1	-	-	1	12.0
GENITAL ORGANS (179-187)	13	19.9	25	27.0	2	111.1	2	24.0
CERVIX & UTERUS (179-182)	1	1.5	4	4.3	-	-	-	-
OVARY (183.0)	2	3.1	2	2.2	1	55.6	-	-
PROSTATE (185)	9	13.8	18	19.4	1	55.6	1	12.0
URINARY ORGANS (188-189)	2	3.1	6	6.5	-	-	-	-
LEUKEMIA (204-208)	1	1.5	4	4.3	-	-	1	12.0
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	3	4.6	3	3.2	-	-	-	-
DIABETES MELLITUS (250)	7	10.7	12	12.9	-	-	-	-
NUTRITIONAL DEFICIENCIES (260-269)	1	1.5	-	-	-	-	1	12.0
ANEMIAS (280-285)	1	1.5	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	1	1.5	1	1.1	-	-	-	-
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (320-322)	-	-	1	1.1	-	-	-	-
ALZHEIMER'S DISEASE (331)	10	15.3	5	5.4	-	-	1	12.0
PARKINSON'S DISEASE (332)	2	3.1	3	3.2	-	-	1	12.0
EPILEPSY (345)	1	1.5	1	1.1	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	225	344.0	380	409.9	5	277.8	34	407.2
DISEASES OF THE HEART (390-398,402,404-429)	157	240.1	279	301.0	4	222.2	28	335.3
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	4	6.1	1	1.1	-	-	-	-
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	2	3.1	8	8.6	-	-	1	12.0
ISCHEMIC HEART DISEASE (410-414)	105	160.6	193	208.2	4	222.2	18	215.6
MYOCARDIAL INFARCTION (410)	46	70.3	75	80.9	-	-	8	95.8
OTHER ACUTE & SUBACUTE (411)	-	-	1	1.1	1	55.6	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	59	90.2	117	126.2	3	166.7	10	119.8
ALL OTHER FORMS (415-429)	46	70.3	77	83.1	-	-	9	107.8
HYPERTENSION (401,403)	-	-	7	7.6	-	-	1	12.0
CEREBROVASCULAR DISEASE (430-438)	47	71.9	67	72.3	1	55.6	4	47.9
SUBARACHNOID HEMORRHAGE (430)	-	-	4	4.3	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	10	15.3	4	4.3	-	-	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	8	12.2	4	4.3	-	-	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	24	36.7	49	52.9	1	55.6	4	47.9
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	2	3.1	5	5.4	-	-	-	-
ARTERIOSCLEROSIS (440)	14	21.4	16	17.3	-	-	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	7	10.7	11	11.9	-	-	1	12.0
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	2	2.2	-	-	-	-
PNEUMONIA (480-486)	20	30.6	30	32.4	-	-	1	12.0
INFLUENZA (487)	2	3.1	-	-	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	22	33.6	55	59.3	2	111.1	1	12.0
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	2	3.1	3	3.2	-	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	1	1.1	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	8	12.2	1	1.1	-	-	1	12.0
ALCOHOLIC CIRRHOSIS(571.0-571.3)	8	12.2	1	1.1	-	-	1	12.0
DISEASES OF THE GALLBLADDER (574-576)	1	1.5	1	1.1	-	-	-	-
DISEASES OF THE PANCREAS (577)	-	-	1	1.1	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	1	1.5	-	-	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	1	1.1	-	-	-	-
CONGENITAL ANOMALIES (740-759)	1	1.5	4	4.3	-	-	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	2	3.1	5	5.4	-	-	1	12.0
SENILITY (797)	-	-	-	-	-	-	3	35.9
SUDDEN INFANT DEATH SYNDROME (798.0)	5	7.6	3	3.2	-	-	-	-
ALL OTHER NATURAL CAUSES	100	152.9	115	124.1	2	111.1	17	203.6
ACCIDENTS (800-949)	36	55.0	36	38.8	-	-	8	95.8
MOTOR VEHICLE ACCIDENTS (810-825)	23	35.2	23	24.8	-	-	6	71.9
SUICIDES (950-959)	10	15.3	12	12.9	-	-	4	47.9
HOMICIDES (960-978)	8	12.2	5	5.4	-	-	1	12.0
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	-	-	-	-	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY,OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	HARNEY		HOOD RIVER		JACKSON		JEFFERSON	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	63	887.3	161	993.8	1,276	922.0	86	716.7
TUBERCULOSIS (010-018,137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	-	-	-	-	3	2.2	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	1	.7	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	1	6.2	7	5.1	-	-
MALIGNANT NEOPLASMS (140-208)	16	225.4	40	246.9	305	220.4	12	100.0
BUCCAL CAVITY & PHARYNX (140-149)	-	-	-	-	5	3.6	1	8.3
DIGESTIVE ORGANS & PERITONEUM (150-159)	5	70.4	11	67.9	59	42.6	3	25.0
LARGE INTESTINE (153)	-	-	5	30.9	15	10.8	2	16.7
PANCREAS (157)	2	28.2	3	18.5	19	13.7	1	8.3
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	5	70.4	16	98.8	112	80.9	3	25.0
BRONCHUS AND LUNG (162.2-162.9)	5	70.4	15	92.6	109	78.8	3	25.0
MALIGNANT MELANOMA (172)	-	-	-	-	5	3.6	-	-
OTHER SKIN (173)	-	-	-	-	-	-	-	-
BREAST (174-175)	2	28.2	2	12.3	25	18.1	1	8.3
GENITAL ORGANS (179-187)	2	28.2	5	30.9	35	25.3	3	25.0
CERVIX & UTERUS (179-182)	-	-	-	-	7	5.1	1	8.3
OVARY (183.0)	-	-	1	6.2	9	6.5	1	8.3
PROSTATE (185)	2	28.2	4	24.7	18	13.0	-	-
URINARY ORGANS (188-189)	-	-	1	6.2	11	7.9	-	-
LEUKEMIA (204-208)	2	28.2	2	12.3	9	6.5	-	-
BENIGN NEOPLASMS (210-229)	-	-	2	12.3	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	-	-	2	1.4	-	-
DIABETES MELLITUS (250)	-	-	2	12.3	20	14.5	-	-
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	1	.7	-	-
ANEMIAS (280-285)	-	-	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	1	14.1	-	-	3	2.2	-	-
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (320-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	-	-	5	30.9	10	7.2	-	-
PARKINSON'S DISEASE (332)	-	-	2	12.3	2	1.4	-	-
EPILEPSY (345)	-	-	-	-	1	.7	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	22	309.9	68	419.8	558	403.2	35	291.7
DISEASES OF THE HEART (390-398,402,404-429)	13	183.1	47	290.1	428	309.2	22	183.3
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	-	-	1	6.2	2	1.4	-	-
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	1	14.1	1	6.2	5	3.6	1	8.3
ISCHEMIC HEART DISEASE (410-414)	11	154.9	26	160.5	319	230.5	17	141.7
MYOCARDIAL INFARCTION (410)	6	84.5	13	80.2	102	73.7	8	66.7
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	1	.7	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	5	70.4	13	80.2	216	156.1	9	75.0
ALL OTHER FORMS (415-429)	1	14.1	19	117.3	102	73.7	4	33.3
HYPERTENSION (401,403)	-	-	1	6.2	3	2.2	-	-
CEREBROVASCULAR DISEASE (430-438)	9	126.8	16	98.8	111	80.2	9	75.0
SUBARACHNOID HEMORRHAGE (430)	2	28.2	-	-	3	2.2	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	-	-	1	6.2	9	6.5	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	3	42.3	2	12.3	18	13.0	1	8.3
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	4	56.3	12	74.1	71	51.3	7	58.3
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	-	-	9	6.5	-	-
ARTERIOSCLEROSIS (440)	-	-	1	6.2	9	6.5	2	16.7
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	-	-	3	18.5	7	5.1	2	16.7
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	2	1.4	-	-
PNEUMONIA (480-486)	1	14.1	2	12.3	34	24.6	5	41.7
INFLUENZA (487)	1	14.1	1	6.2	3	2.2	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1	14.1	5	30.9	65	47.0	5	41.7
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	-	-	1	6.2	4	2.9	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	-	-	5	3.6	-	-
CIRRHOSIS OF THE LIVER (571)	-	-	1	6.2	21	15.2	3	25.0
ALCOHOLIC CIRRHOSIS(571.0-571.3)	-	-	-	-	19	13.7	3	25.0
DISEASES OF THE GALLBLADDER (574-576)	-	-	-	-	1	.7	-	-
DISEASES OF THE PANCREAS (577)	-	-	-	-	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	2	1.4	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	2	1.4	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	1	.7	-	-
CONGENITAL ANOMALIES (740-759)	1	14.1	-	-	5	3.6	3	25.0
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	1	6.2	9	6.5	-	-
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	1	6.2	7	5.1	1	8.3
ALL OTHER NATURAL CAUSES	20	281.7	29	179.0	199	143.8	22	183.3
ACCIDENTS (800-949)	10	140.8	6	37.0	62	44.8	13	108.3
MOTOR VEHICLE ACCIDENTS (810-825)	4	56.3	3	18.5	28	20.2	7	58.3
SUICIDES (950-959)	4	56.3	2	12.3	26	18.8	2	16.7
HOMICIDES (960-978)	2	28.2	1	6.2	8	5.8	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	-	-	2	1.4	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE JOSEPHINE		KLAMATH		LAKE		LANE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	683	1111.5	491	866.0	58	794.5	2,151	822.1
TUBERCULOSIS (010-018,137)	-	-	-	-	-	-	2	.8
SEPTICEMIA (038)	1	1.6	3	5.3	-	-	5	1.9
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	2	3.3	-	-	-	-	1	.4
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	1.6	1	1.8	-	-	5	1.9
MALIGNANT NEOPLASMS (140-208)	151	245.7	112	197.5	9	123.3	505	193.0
BUCCAL CAVITY & PHARYNX (140-149)	2	3.3	-	-	1	13.7	6	2.3
DIGESTIVE ORGANS & PERITONEUM (150-159)	46	74.9	32	56.4	1	13.7	126	48.2
LARGE INTESTINE (153)	11	17.9	17	30.0	1	13.7	48	18.3
PANCREAS (157)	14	22.8	4	7.1	-	-	29	11.1
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	45	73.2	42	74.1	3	41.1	159	60.8
BRONCHUS AND LUNG (162.2-162.9)	43	70.0	39	68.8	3	41.1	155	59.2
MALIGNANT MELANOMA (172)	1	1.6	2	3.5	-	-	4	1.5
OTHER SKIN (173)	1	1.6	-	-	-	-	2	.8
BREAST (174-175)	11	17.9	8	14.1	-	-	40	15.3
GENITAL ORGANS (179-187)	11	17.9	7	12.3	1	13.7	60	22.9
CERVIX & UTERUS (179-182)	-	-	2	3.5	-	-	10	3.8
OVARY (183.0)	2	3.3	1	1.8	1	13.7	15	5.7
PROSTATE (185)	9	14.6	3	5.3	-	-	32	12.2
URINARY ORGANS (188-189)	4	6.5	5	8.8	1	13.7	21	8.0
LEUKEMIA (204-208)	6	9.8	1	1.8	2	27.4	19	7.3
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	1	.4
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	-	-	-	-	4	1.5
DIABETES MELLITUS (250)	12	19.5	10	17.6	1	13.7	37	14.1
NUTRITIONAL DEFICIENCIES (260-269)	1	1.6	-	-	-	-	-	-
ANEMIAS (280-285)	-	-	1	1.8	-	-	6	2.3
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	1	1.6	1	1.8	-	-	4	1.5
DRUG DEPENDENCE (304)	-	-	1	1.8	-	-	2	.8
MENINGITIS (302-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	19	30.9	7	12.3	1	13.7	26	9.9
PARKINSON'S DISEASE (332)	5	8.1	3	5.3	1	13.7	9	3.4
EPILEPSY (345)	-	-	-	-	-	-	3	1.1
MAJOR CARDIOVASCULAR DISEASES (390-448)	294	478.4	218	384.5	28	383.6	896	342.4
DISEASES OF THE HEART (390-398,402,404-429)	220	358.0	162	285.7	22	301.4	634	242.3
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	1.6	1	1.8	-	-	11	4.2
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	10	16.3	1	1.8	-	-	18	6.9
ISCHEMIC HEART DISEASE (410-414)	168	273.4	130	229.3	16	219.2	484	185.0
MYOCARDIAL INFARCTION (410)	86	140.0	66	116.4	8	109.6	185	70.7
OTHER ACUTE & SUBACUTE (411)	-	-	1	1.8	-	-	3	1.1
CHRONIC ISCHEMIC HEART DISEASE (412-414)	82	133.4	63	111.1	8	109.6	296	113.1
ALL OTHER FORMS (415-429)	41	66.7	30	52.9	6	82.2	121	46.2
HYPERTENSION (401,403)	4	6.5	3	5.3	-	-	13	5.0
CEREBROVASCULAR DISEASE (430-438)	57	92.8	41	72.3	5	68.5	185	70.7
SUBARACHNOID HEMORRHAGE (430)	1	1.6	1	1.8	-	-	6	2.3
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	4	6.5	2	3.5	2	27.4	20	7.6
CEREBRAL THROMBOSIS & EMBOLISM (434)	8	13.0	2	3.5	-	-	43	16.4
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	36	58.6	34	60.0	2	27.4	90	34.4
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	7	11.4	1	1.8	1	13.7	18	6.9
ARTERIOSCLEROSIS (440)	4	6.5	8	14.1	-	-	41	15.7
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	9	14.6	4	7.1	1	13.7	23	8.8
VENOUS THROMBOSIS & EMBOLISM (451-453)	1	1.6	-	-	1	13.7	3	1.1
PNEUMONIA (480-486)	14	22.8	15	26.5	-	-	76	29.0
INFLUENZA (487)	2	3.3	-	-	-	-	3	1.1
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	37	60.2	21	37.0	2	27.4	137	52.4
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	2	3.3	-	-	1	13.7	5	1.9
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	4	6.5	-	-	-	-	6	2.3
CIRRHOSIS OF THE LIVER (571)	6	9.8	6	10.6	2	27.4	24	9.2
ALCOHOLIC CIRRHOSIS(571.0-571.3)	5	8.1	3	5.3	2	27.4	17	6.5
DISEASES OF THE GALLBLADDER (574-576)	-	-	-	-	-	-	3	1.1
DISEASES OF THE PANCREAS (577)	1	1.6	1	1.8	-	-	1	.4
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	1	13.7	3	1.1
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	1	1.6	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	6	9.8	3	5.3	-	-	10	3.8
CERTAIN CAUSES IN EARLY INFANCY (760-779)	3	4.9	3	5.3	-	-	9	3.4
SENILITY (797)	-	-	-	-	-	-	2	.8
SUDDEN INFANT DEATH SYNDROME (798.0)	7	11.4	4	7.1	-	-	7	2.7
ALL OTHER NATURAL CAUSES	109	177.4	76	134.0	11	150.7	346	132.2
ACCIDENTS (800-949)	31	50.4	25	44.1	3	41.1	105	40.1
MOTOR VEHICLE ACCIDENTS (810-825)	15	24.4	17	30.0	1	13.7	54	20.6
SUICIDES (950-959)	13	21.2	15	26.5	2	27.4	48	18.3
HOMICIDES (960-978)	6	9.8	5	8.8	1	13.7	14	5.4
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	1	1.8	-	-	10	3.8

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY, OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	LINCOLN		LINN		MALHEUR		MARION	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	429	1162.6	781	907.6	260	992.4	1,899	907.7
TUBERCULOSIS (010-018,137)	-	-	-	-	-	-	1	.5
SEPTICEMIA (038)	1	2.7	3	3.5	-	-	5	2.4
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	1	2.7	-	-	-	-	2	1.0
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	3	8.1	1	1.2	1	3.8	4	1.9
MALIGNANT NEOPLASMS (140-208)	109	295.4	169	196.4	61	232.8	402	192.2
BUCCAL CAVITY & PHARYNX (140-149)	-	-	1	1.2	2	7.6	4	1.9
DIGESTIVE ORGANS & PERITONEUM (150-159)	23	62.3	43	50.0	9	34.4	111	53.1
LARGE INTESTINE (153)	7	19.0	16	18.6	3	11.5	43	20.6
PANCREAS (157)	3	8.1	12	13.9	2	7.6	26	12.4
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	42	113.8	52	60.4	16	61.1	116	55.4
BRONCHUS AND LUNG (162.2-162.9)	41	111.1	51	59.3	16	61.1	113	54.0
MALIGNANT MELANOMA (172)	2	5.4	5	5.8	1	3.8	8	3.8
OTHER SKIN (173)	1	2.7	3	3.5	-	-	2	1.0
BREAST (174-175)	9	24.4	11	12.8	5	19.1	33	15.8
GENITAL ORGANS (179-187)	14	37.9	18	20.9	7	26.7	46	22.0
CERVIX & UTERUS (179-182)	1	2.7	2	2.3	1	3.8	7	3.3
OVARY (183.0)	4	10.8	1	1.2	-	-	10	4.8
PROSTATE (185)	8	21.7	15	17.4	6	22.9	27	12.9
URINARY ORGANS (188-189)	4	10.8	5	5.8	7	26.7	15	7.2
LEUKEMIA (204-208)	2	5.4	5	5.8	4	15.3	15	7.2
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	2	1.0
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	4	4.6	2	7.6	4	1.9
DIABETES MELLITUS (250)	9	24.4	11	12.8	5	19.1	27	12.9
NUTRITIONAL DEFICIENCIES (260-269)	-	-	1	1.2	1	3.8	-	-
ANEMIAS (280-285)	1	2.7	2	2.3	1	3.8	1	.5
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	2	5.4	1	1.2	-	-	2	1.0
DRUG DEPENDENCE (304)	-	-	-	-	-	-	1	.5
MENINGITIS (320-322)	-	-	2	2.3	-	-	1	.5
ALZHEIMER'S DISEASE (331)	4	10.8	9	10.5	-	-	12	5.7
PARKINSON'S DISEASE (332)	-	-	4	4.6	2	7.6	8	3.8
EPILEPSY (345)	-	-	-	-	-	-	3	1.4
MAJOR CARDIOVASCULAR DISEASES (390-448)	182	493.2	373	433.5	127	484.7	918	438.8
DISEASES OF THE HEART (390-398,402,404-429)	139	376.7	291	338.2	95	362.6	689	329.3
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	5	13.6	5	5.8	2	7.6	7	3.3
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	2	5.4	2	2.3	-	-	19	9.1
ISCHEMIC HEART DISEASE (410-414)	108	292.7	234	271.9	73	278.6	499	238.5
MYOCARDIAL INFARCTION (410)	43	116.5	88	102.3	26	99.2	199	95.1
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	4	1.9
CHRONIC ISCHEMIC HEART DISEASE (412-414)	65	176.2	146	169.7	47	179.4	296	141.5
ALL OTHER FORMS (415-429)	24	65.0	50	58.1	20	76.3	164	78.4
HYPERTENSION (401,403)	3	8.1	4	4.6	2	7.6	11	5.3
CEREBROVASCULAR DISEASE (430-438)	21	56.9	59	68.6	20	76.3	163	77.9
SUBARACHNOID HEMORRHAGE (430)	2	5.4	2	2.3	1	3.8	6	2.9
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	2.7	3	3.5	2	7.6	25	12.0
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	10	11.6	1	3.8	23	11.0
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	16	43.4	35	40.7	14	53.4	97	46.4
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	2	5.4	7	8.1	1	3.8	9	4.3
ARTERIOSCLEROSIS (440)	7	19.0	10	11.6	6	22.9	25	12.0
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	12	32.5	9	10.5	4	15.3	30	14.3
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	-	-	-	-	4	1.9
PNEUMONIA (480-486)	17	46.1	22	25.6	4	15.3	58	27.7
INFLUENZA (487)	1	2.7	2	2.3	1	3.8	3	1.4
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	25	67.8	31	36.0	6	22.9	84	40.2
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	4	10.8	3	3.5	1	3.8	7	3.3
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	2.7	-	-	1	3.8	3	1.4
CIRRHOSIS OF THE LIVER (571)	7	19.0	10	11.6	3	11.5	17	8.1
ALCOHOLIC CIRRHOSIS(571.0-571.3)	7	19.0	7	8.1	3	11.5	14	6.7
DISEASES OF THE GALLBLADDER (574-576)	-	-	1	1.2	1	3.8	2	1.0
DISEASES OF THE PANCREAS (577)	1	2.7	-	-	2	7.6	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	-	-	1	3.8	3	1.4
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	1	.5
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	1	.5
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	2	5.4	4	4.6	3	11.5	16	7.6
CERTAIN CAUSES IN EARLY INFANCY (760-779)	1	2.7	2	2.3	4	15.3	10	4.8
SENILITY (797)	-	-	1	1.2	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	1	2.7	3	3.5	-	-	13	6.2
ALL OTHER NATURAL CAUSES	55	149.1	119	138.3	33	126.0	278	132.9
ACCIDENTS (800-949)	28	75.9	43	50.0	15	57.3	84	40.2
MOTOR VEHICLE ACCIDENTS (810-825)	14	37.9	19	22.1	8	30.5	49	23.4
SUICIDES (950-959)	7	19.0	15	17.4	2	7.6	30	14.3
HOMICIDES (960-978)	-	-	5	5.8	2	7.6	19	9.1
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	1	2.7	4	4.6	-	-	2	1.0

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY,OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE MORROW		MULTNOMAH		POLK		SHERMAN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	52	666.7	5,679	1003.0	371	813.6	13	619.0
TUBERCULOSIS (010-018,137)	-	-	6	1.1	-	-	-	-
SEPTICEMIA (038)	-	-	19	3.4	2	4.4	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	1	.2	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	36	6.4	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	13	166.7	1,244	219.7	86	188.6	4	190.5
BUCCAL CAVITY & PHARYNX (140-149)	-	-	28	4.9	1	2.2	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	3	38.5	294	51.9	18	39.5	2	95.2
LARGE INTESTINE (153)	-	-	128	22.6	4	8.8	1	47.6
PANCREAS (157)	-	-	55	9.7	6	13.2	-	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	2	25.6	370	65.3	24	52.6	-	-
BRONCHUS AND LUNG (162.2-162.9)	2	25.6	358	63.2	24	52.6	-	-
MALIGNANT MELANOMA (172)	-	-	13	2.3	-	-	-	-
OTHER SKIN (173)	-	-	6	1.1	-	-	-	-
BREAST (174-175)	-	-	128	22.6	5	11.0	-	-
GENITAL ORGANS (179-187)	6	76.9	137	24.2	22	48.2	-	-
CERVIX & UTERUS (179-182)	1	12.8	24	4.2	1	2.2	-	-
OVARY (183.0)	-	-	33	5.8	2	4.4	-	-
PROSTATE (185)	4	51.3	76	13.4	19	41.7	-	-
URINARY ORGANS (188-189)	-	-	46	8.1	2	4.4	1	47.6
LEUKEMIA (204-208)	1	12.8	47	8.3	2	4.4	-	-
BENIGN NEOPLASMS (210-229)	-	-	1	.2	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	8	1.4	-	-	-	-
DIABETES MELLITUS (250)	2	25.6	71	12.5	5	11.0	-	-
NUTRITIONAL DEFICIENCIES (260-269)	-	-	5	.9	-	-	1	47.6
ANEMIAS (280-285)	-	-	7	1.2	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	-	-	15	2.6	1	2.2	-	-
DRUG DEPENDENCE (304)	-	-	25	4.4	-	-	-	-
MENINGITIS (302-322)	-	-	4	.7	1	2.2	-	-
ALZHEIMER'S DISEASE (331)	-	-	51	9.0	2	4.4	-	-
PARKINSON'S DISEASE (332)	-	-	23	4.1	1	2.2	-	-
EPILEPSY (345)	-	-	4	.7	1	2.2	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	27	346.2	2,584	456.4	192	421.1	6	285.7
DISEASES OF THE HEART (390-398,402,404-429)	18	230.8	1,876	331.3	144	315.8	5	238.1
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	-	-	28	4.9	2	4.4	-	-
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	1	12.8	61	10.8	2	4.4	-	-
ISCHEMIC HEART DISEASE (410-414)	11	141.0	1,415	249.9	111	243.4	5	238.1
MYOCARDIAL INFARCTION (410)	7	89.7	502	88.7	65	142.5	3	142.9
OTHER ACUTE & SUBACUTE (411)	-	-	3	.5	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	4	51.3	910	160.7	46	100.9	2	95.2
ALL OTHER FORMS (415-429)	6	76.9	372	65.7	29	63.6	-	-
HYPERTENSION (401,403)	-	-	23	4.1	3	6.6	-	-
CEREBROVASCULAR DISEASE (430-438)	4	51.3	500	88.3	31	68.0	1	47.6
SUBARACHNOID HEMORRHAGE (430)	-	-	20	3.5	1	2.2	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	12.8	61	10.8	8	17.5	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	-	-	75	13.2	6	13.2	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	3	38.5	284	50.2	15	32.9	1	47.6
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	47	8.3	-	-	-	-
ARTERIOSCLEROSIS (440)	5	64.1	124	21.9	10	21.9	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	-	-	61	10.8	4	8.8	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	6	1.1	-	-	-	-
PNEUMONIA (480-486)	1	12.8	182	32.1	11	24.1	-	-
INFLUENZA (487)	-	-	2	.4	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	3	38.5	220	38.9	14	30.7	-	-
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	-	-	20	3.5	1	2.2	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	10	1.8	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	-	-	118	20.8	4	8.8	-	-
ALCOHOLIC CIRRHOSIS(571.0-571.3)	-	-	112	19.8	2	4.4	-	-
DISEASES OF THE GALLBLADDER (574-576)	-	-	7	1.2	1	2.2	-	-
DISEASES OF THE PANCREAS (577)	-	-	4	.7	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	7	1.2	1	2.2	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	2	.4	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	2	.4	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	1	.2	-	-	-	-
CONGENITAL ANOMALIES (740-759)	-	-	36	6.4	1	2.2	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	27	4.8	1	2.2	-	-
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	1	12.8	22	3.9	1	2.2	-	-
ALL OTHER NATURAL CAUSES	5	64.1	871	153.8	45	98.7	2	95.2
ACCIDENTS (800-949)	3	38.5	248	43.8	10	21.9	-	-
MOTOR VEHICLE ACCIDENTS (810-825)	3	38.5	118	20.8	4	8.8	-	-
SUICIDES (950-959)	-	-	110	19.4	4	8.8	1	47.6
HOMICIDES (960-978)	1	12.8	53	9.4	2	4.4	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	30	5.3	-	-	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY,OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	TILLAMOOK		UMATILLA		UNION		WALLOWA	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	236	1108.0	535	911.4	170	739.1	75	1041.7
TUBERCULOSIS (010-018,137)	-	-	1	1.7	-	-	-	-
SEPTICEMIA (038)	1	4.7	3	5.1	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	1	1.7	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	1	4.7	1	1.7	-	-	-	-
MALIGNANT NEOPLASMS (140-208)	49	230.0	109	185.7	34	147.8	11	152.8
BUCCAL CAVITY & PHARYNX (140-149)	-	-	-	-	-	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	12	56.3	31	52.8	11	47.8	2	27.8
LARGE INTESTINE (153)	4	18.8	8	13.6	4	17.4	1	13.9
PANCREAS (157)	2	9.4	6	10.2	3	13.0	-	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	18	84.5	28	47.7	8	34.8	1	13.9
BRONCHUS AND LUNG (162.2-162.9)	18	84.5	27	46.0	8	34.8	1	13.9
MALIGNANT MELANOMA (172)	-	-	1	1.7	-	-	-	-
OTHER SKIN (173)	-	-	1	1.7	1	4.3	-	-
BREAST (174-175)	3	14.1	9	15.3	4	17.4	1	13.9
GENITAL ORGANS (179-187)	5	23.5	8	13.6	5	21.7	2	27.8
CERVIX & UTERUS (179-182)	-	-	2	3.4	2	8.7	1	13.9
OVARY (183.0)	1	4.7	2	3.4	1	4.3	1	13.9
PROSTATE (185)	4	18.8	4	6.8	1	4.3	-	-
URINARY ORGANS (188-189)	2	9.4	4	6.8	1	4.3	-	-
LEUKEMIA (204-208)	1	4.7	7	11.9	-	-	1	13.9
BENIGN NEOPLASMS (210-229)	-	-	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	1	1.7	-	-	-	-
DIABETES MELLITUS (250)	4	18.8	11	18.7	3	13.0	1	13.9
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	1	4.3	1	13.9
ANEMIAS (280-285)	-	-	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	-	-	2	3.4	1	4.3	-	-
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (302-322)	-	-	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	3	14.1	5	8.5	2	8.7	-	-
PARKINSON'S DISEASE (332)	1	4.7	-	-	-	-	-	-
EPILEPSY (345)	-	-	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	103	483.6	212	361.2	69	300.0	39	541.7
DISEASES OF THE HEART (390-398,402,404-429)	78	366.2	175	298.1	53	230.4	35	486.1
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	4.7	-	-	1	4.3	-	-
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	-	-	-	-	3	13.0	-	-
ISCHEMIC HEART DISEASE (410-414)	67	314.6	142	241.9	33	143.5	22	305.6
MYOCARDIAL INFARCTION (410)	31	145.5	41	69.8	13	56.5	4	55.6
OTHER ACUTE & SUBACUTE (411)	-	-	1	1.7	1	4.3	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	36	169.0	100	170.4	19	82.6	18	250.0
ALL OTHER FORMS (415-429)	10	46.9	33	56.2	16	69.6	13	180.6
HYPERTENSION (401,403)	1	4.7	1	1.7	-	-	-	-
CEREBROVASCULAR DISEASE (430-438)	17	79.8	27	46.0	12	52.2	1	13.9
SUBARACHNOID HEMORRHAGE (430)	1	4.7	1	1.7	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	4.7	1	1.7	-	-	-	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	3	14.1	9	15.3	1	4.3	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	11	51.6	14	23.9	9	39.1	-	-
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	1	1.7	1	4.3	1	13.9
ARTERIOSCLEROSIS (440)	4	18.8	4	6.8	2	8.7	1	13.9
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	3	14.1	5	8.5	2	8.7	2	27.8
VENOUS THROMBOSIS & EMBOLISM (451-453)	1	4.7	-	-	2	8.7	-	-
PNEUMONIA (480-486)	3	14.1	25	42.6	9	39.1	5	69.4
INFLUENZA (487)	-	-	1	1.7	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	13	61.0	27	46.0	16	69.6	6	83.3
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	-	-	1	1.7	3	13.0	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	1	4.7	-	-	1	4.3	-	-
CIRRHOSIS OF THE LIVER (571)	3	14.1	13	22.1	1	4.3	1	13.9
ALCOHOLIC CIRRHOSIS(571.0-571.3)	3	14.1	7	11.9	1	4.3	1	13.9
DISEASES OF THE GALLBLADDER (574-576)	-	-	-	-	-	-	-	-
DISEASES OF THE PANCREAS (577)	1	4.7	-	-	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	-	-	1	1.7	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	-	-	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	1	4.7	3	5.1	1	4.3	-	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	2	9.4	3	5.1	1	4.3	-	-
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	1	4.7	5	8.5	3	13.0	-	-
ALL OTHER NATURAL CAUSES	47	220.7	106	180.6	22	95.7	11	152.8
ACCIDENTS (800-949)	17	79.8	45	76.7	6	26.1	7	97.2
MOTOR VEHICLE ACCIDENTS (810-825)	7	32.9	25	42.6	1	4.3	4	55.6
SUICIDES (950-959)	4	18.8	15	25.6	4	17.4	4	55.6
HOMICIDES (960-978)	4	18.8	5	8.5	1	4.3	-	-
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	1	4.7	-	-	-	-	-	-

- INDICATES QUANTITY EQUALS ZERO

TABLE 55. DEATHS BY SELECTED CAUSES BY COUNTY,OREGON RESIDENTS, 1986, CONTINUED

SELECTED CAUSES OF DEATH	COUNTY OF RESIDENCE							
	WASCO		WASHINGTON		WHEELER		YAMHILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	228	1055.6	1,749	640.0	13	866.7	466	816.1
TUBERCULOSIS (010-018,137)	-	-	-	-	-	-	-	-
SEPTICEMIA (038)	-	-	5	1.8	-	-	2	3.5
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	-	-	-	-	-	-	-	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	-	-	8	2.9	-	-	3	5.3
MALIGNANT NEOPLASMS (140-208)	57	263.9	430	157.3	3	200.0	98	171.6
BUCCAL CAVITY & PHARYNX (140-149)	-	-	7	2.6	-	-	2	3.5
DIGESTIVE ORGANS & PERITONEUM (150-159)	9	41.7	90	32.9	-	-	25	43.8
LARGE INTESTINE (153)	4	18.5	38	13.9	-	-	12	21.0
PANCREAS (157)	3	13.9	17	6.2	-	-	6	10.5
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	16	74.1	122	44.6	-	-	36	63.0
BRONCHUS AND LUNG (162.2-162.9)	15	69.4	117	42.8	-	-	35	61.3
MALIGNANT MELANOMA (172)	1	4.6	9	3.3	-	-	-	-
OTHER SKIN (173)	-	-	1	.4	-	-	-	-
BREAST (174-175)	7	32.4	41	15.0	-	-	8	14.0
GENITAL ORGANS (179-187)	6	27.8	39	14.3	2	133.3	14	24.5
CERVIX & UTERUS (179-182)	1	4.6	4	1.5	-	-	2	3.5
OVARY (183.0)	2	9.3	9	3.3	-	-	-	-
PROSTATE (185)	3	13.9	25	9.1	2	133.3	11	19.3
URINARY ORGANS (188-189)	2	9.3	25	9.1	-	-	3	5.3
LEUKEMIA (204-208)	5	23.1	26	9.5	-	-	3	5.3
BENIGN NEOPLASMS (210-229)	1	4.6	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	-	-	6	2.2	-	-	-	-
DIABETES MELLITUS (250)	5	23.1	15	5.5	-	-	10	17.5
NUTRITIONAL DEFICIENCIES (260-269)	-	-	-	-	-	-	1	1.8
ANEMIAS (280-285)	-	-	2	.7	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	-	-	2	.7	-	-	-	-
DRUG DEPENDENCE (304)	-	-	-	-	-	-	-	-
MENINGITIS (302-322)	-	-	2	.7	-	-	-	-
ALZHEIMER'S DISEASE (331)	-	-	14	5.1	-	-	3	5.3
PARKINSON'S DISEASE (332)	4	18.5	8	2.9	-	-	6	10.5
EPILEPSY (345)	1	4.6	1	.4	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	94	435.2	808	295.6	5	333.3	217	380.0
DISEASES OF THE HEART (390-398,402,404-429)	77	356.5	586	214.4	4	266.7	153	268.0
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	1	4.6	10	3.7	-	-	4	7.0
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	8	37.0	11	4.0	-	-	5	8.8
ISCHEMIC HEART DISEASE (410-414)	47	217.6	435	159.2	4	266.7	116	203.2
MYOCARDIAL INFARCTION (410)	18	83.3	138	50.5	3	200.0	51	89.3
OTHER ACUTE & SUBACUTE (411)	-	-	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	29	134.3	297	108.7	1	66.7	65	113.8
ALL OTHER FORMS (415-429)	21	97.2	130	47.6	-	-	28	49.0
HYPERTENSION (401,403)	-	-	11	4.0	-	-	3	5.3
CEREBROVASCULAR DISEASE (430-438)	13	60.2	154	56.3	-	-	51	89.3
SUBARACHNOID HEMORRHAGE (430)	3	13.9	12	4.4	-	-	1	1.8
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	1	4.6	16	5.9	-	-	1	1.8
CEREBRAL THROMBOSIS & EMBOLISM (434)	2	9.3	26	9.5	-	-	10	17.5
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	7	32.4	83	30.4	-	-	32	56.0
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	-	-	12	4.4	-	-	7	12.3
ARTERIOSCLEROSIS (440)	2	9.3	40	14.6	1	66.7	5	8.8
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	2	9.3	17	6.2	-	-	5	8.8
VENOUS THROMBOSIS & EMBOLISM (451-453)	-	-	1	.4	-	-	2	3.5
PNEUMONIA (480-486)	11	50.9	36	13.2	-	-	15	26.3
INFLUENZA (487)	-	-	1	.4	-	-	-	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	12	55.6	72	26.3	1	66.7	23	40.3
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	2	9.3	5	1.8	-	-	-	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	-	-	2	.7	1	66.7	-	-
CIRRHOSIS OF THE LIVER (571)	1	4.6	20	7.3	-	-	-	-
ALCOHOLIC CIRRHOSIS(571.0-571.3)	-	-	15	5.5	-	-	-	-
DISEASES OF THE GALLBLADDER (574-576)	-	-	6	2.2	-	-	1	1.8
DISEASES OF THE PANCREAS (577)	1	4.6	3	1.1	-	-	1	1.8
INFECTIONS OF THE KIDNEY (590)	-	-	1	.4	-	-	1	1.8
DISEASES OF MALE GENITAL ORGANS (600-608)	2	9.3	-	-	-	-	1	1.8
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	-	-	1	.4	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	-	-	-	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	1	4.6	12	4.4	-	-	4	7.0
CERTAIN CAUSES IN EARLY INFANCY (760-779)	-	-	16	5.9	-	-	3	5.3
SENILITY (797)	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	-	-	13	4.8	-	-	3	5.3
ALL OTHER NATURAL CAUSES	35	162.0	256	93.7	3	200.0	70	122.6
ACCIDENTS (800-949)	19	88.0	87	31.8	3	200.0	22	38.5
MOTOR VEHICLE ACCIDENTS (810-825)	8	37.0	55	20.1	2	133.3	13	22.8
SUICIDES (950-959)	1	4.6	35	12.8	-	-	9	15.8
HOMICIDES (960-978)	-	-	12	4.4	-	-	1	1.8
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	-	-	5	1.8	-	-	1	1.8

- INDICATES QUANTITY EQUALS ZERO

TABLE 56. DEATHS BY SELECTED CAUSES BY RACE,OREGON RESIDENTS, 1986

SELECTED CAUSES OF DEATH	Total	RACE						
		WHITE *	BLACK	INDIAN	CHINESE	JAPANESE	OTHER ASIAN & PACIFIC ISLANDERS	OTHER & NOT STATED
TOTAL	23,328	22,764	289	120	39	42	51	23
TUBERCULOSIS (010-018,137)	12	10	-	1	-	1	-	-
SEPTICEMIA (038)	67	65	2	-	-	-	-	-
MEASLES (055)	-	-	-	-	-	-	-	-
VIRAL HEPATITIS (070)	10	8	-	-	-	-	2	-
OTHER INFECTIVE & PARASITIC DISEASES (RESIDUAL 001-139)	89	85	1	-	2	1	-	-
MALIGNANT NEOPLASMS (140-208)	5,272	5,150	63	19	11	12	10	7
BUCCAL CAVITY & PHARYNX (140-149)	76	73	1	1	1	-	-	-
DIGESTIVE ORGANS & PERITONEUM (150-159)	1,254	1,203	19	9	4	9	6	4
LARGE INTESTINE (153)	491	478	7	5	-	1	-	-
PANCREAS (157)	267	261	3	-	-	1	2	-
RESPIRATORY/INTRATHORACIC ORGANS (160-165)	1,651	1,621	21	4	2	-	3	-
BRONCHUS AND LUNG (162.2-162.9)	1,595	1,567	19	4	2	-	3	-
MALIGNANT MELANOMA (172)	67	67	-	-	-	-	-	-
OTHER SKIN (173)	26	26	-	-	-	-	-	-
BREAST (174-175)	447	435	9	1	1	1	-	-
GENITAL ORGANS (179-187)	610	599	4	3	1	2	-	1
CERVIX & UTERUS (179-182)	96	94	-	-	1	-	-	1
OVARY (183.0)	129	127	-	1	-	1	-	-
PROSTATE (185)	361	354	4	2	-	1	-	-
URINARY ORGANS (188-189)	200	196	3	1	-	-	-	-
LEUKEMIA (204-208)	200	198	2	-	-	-	-	-
BENIGN NEOPLASMS (210-229)	8	8	-	-	-	-	-	-
IN SITU, UNCERTAIN BEHAVIOR & UNSPECIFIED NATURE NEOPLASMS (230-239)	40	40	-	-	-	-	-	-
DIABETES MELLITUS (250)	328	311	10	2	-	3	-	2
NUTRITIONAL DEFICIENCIES (260-269)	20	19	1	-	-	-	-	-
ANEMIAS (280-285)	23	23	-	-	-	-	-	-
ALCOHOLIC PSYCHOSES & ALCOHOLISM (291,303)	51	48	1	2	-	-	-	-
DRUG DEPENDENCE (304)	32	29	3	-	-	-	-	-
MENINGITIS (302-322)	14	14	-	-	-	-	-	-
ALZHEIMER'S DISEASE (331)	225	224	-	-	-	1	-	-
PARKINSON'S DISEASE (332)	102	101	1	-	-	-	-	-
EPILEPSY (345)	20	20	-	-	-	-	-	-
MAJOR CARDIOVASCULAR DISEASES (390-448)	10,527	10,322	109	42	18	17	11	8
DISEASES OF THE HEART (390-398,402,404-429)	7,796	7,651	72	37	15	8	7	6
RHEUMATIC FEVER & CHRONIC RHEUMATIC HEART DISEASE (390-398)	104	102	1	1	-	-	-	-
HYPERTENSIVE HEART DISEASE WITH/WITHOUT RENAL DISEASE (402,404)	196	187	5	-	2	1	-	1
ISCHEMIC HEART DISEASE (410-414)	5,808	5,705	56	23	8	4	7	5
MYOCARDIAL INFARCTION (410)	2,190	2,151	16	8	5	1	6	3
OTHER ACUTE & SUBACUTE (411)	17	17	-	-	-	-	-	-
CHRONIC ISCHEMIC HEART DISEASE (412-414)	3,601	3,537	40	15	3	3	1	2
ALL OTHER FORMS (415-429)	1,688	1,657	10	13	5	3	-	-
HYPERTENSION (401,403)	116	114	2	-	-	-	-	-
CEREBROVASCULAR DISEASE (430-438)	1,926	1,886	21	4	3	6	4	2
SUBARACHNOID HEMORRHAGE (430)	76	72	4	-	-	-	-	-
INTRACEREBRAL & INTRACRANIAL HEMORRHAGES (431-432)	209	198	2	2	2	3	2	-
CEREBRAL THROMBOSIS & EMBOLISM (434)	298	293	3	1	1	-	-	-
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE (436)	1,122	1,105	10	1	-	3	2	1
GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE (437)	162	159	2	-	-	-	-	1
ARTERIOSCLEROSIS (440)	417	407	8	1	-	1	-	-
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES (441-448)	272	264	6	-	-	2	-	-
VENOUS THROMBOSIS & EMBOLISM (451-453)	27	26	1	-	-	-	-	-
PNEUMONIA (480-486)	715	704	7	2	1	-	1	-
INFLUENZA (487)	27	26	-	-	-	-	1	-
BRONCHITIS, EMPHYSEMA, ASTHMA AND COPD (490-496)	1,090	1,072	10	2	4	1	1	-
GASTRIC, DUODENAL, OR PEPTIC ULCER (531-533)	78	76	1	-	-	-	1	-
HERNIA & INTESTINAL OBSTRUCTION (550-553, 560)	48	47	1	-	-	-	-	-
CIRRHOSIS OF THE LIVER (571)	308	291	10	5	-	-	1	1
ALCOHOLIC CIRRHOSIS(571.0-571.3)	264	248	10	5	-	-	-	1
DISEASES OF THE GALLBLADDER (574-576)	29	28	-	-	1	-	-	-
DISEASES OF THE PANCREAS (577)	20	20	-	-	-	-	-	-
INFECTIONS OF THE KIDNEY (590)	26	25	-	1	-	-	-	-
DISEASES OF MALE GENITAL ORGANS (600-608)	8	8	-	-	-	-	-	-
DISEASES OF THE UTERUS AND OTHER FEMALE GENITAL ORGANS (614-629)	5	5	-	-	-	-	-	-
COMPLICATIONS OF PREGNANCY, CHILDBIRTH & THE PUERPERIUM (630-676)	4	3	1	-	-	-	-	-
CONGENITAL ANOMALIES (740-759)	142	132	6	-	-	-	4	-
CERTAIN CAUSES IN EARLY INFANCY (760-779)	119	103	10	3	-	-	3	-
SENILITY (797)	7	7	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798.0)	121	113	3	4	-	-	1	-
ALL OTHER NATURAL CAUSES	3,601	3,491	47	36	2	6	14	5
ACCIDENTS (800-949)	1,184	1,136	17	19	-	-	9	3
MOTOR VEHICLE ACCIDENTS (810-825)	638	606	9	15	-	-	6	2
SUICIDES (950-959)	450	443	2	4	-	-	1	-
HOMICIDES (960-978)	181	163	10	7	-	-	-	1
INJURIES UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED (980-989)	64	60	3	-	-	1	-	-

- INDICATES QUANTITY EQUALS ZERO
* THE NUMBER OF HISPANIC DEATHS IS NOT COMPLETE SINCE CERTIFICATES REQUEST RACIAL RATHER THAN ETHNIC ORIGINS. ALL HISPANIC ENTRIES ARE RECORDED AS WHITE IN NATIONAL VITAL STATISTICS. TOTAL WHITE INCLUDES HISPANIC. OTHER AND NOT STATED INCLUDES HAWAIIAN AND FILIPINO.

MARRIAGE & DIVORCE

Marriages Decrease, Divorces Increase

During the last quarter century the annual marriage rate increased steadily from 1961 to 1972, and after reaching a plateau, a slight decrease occurred in 1975 and 1976. From 1977 to the present the marriage rate has fluctuated slightly. In 1986, the marriage rate (8.3) was only 2.4 percent below the 1977 level (8.5; Figure 22). Last year, 22,015 couples were married in Oregon, a 1.8 percent decrease from the previous year and a 9.0 percent decline since the 1982 record high of 24,186.

Divorces edged up slightly in 1986, increasing to 15,774 compared to 15,736 in 1985. This was the second year of marginal increase since the all time high of 17,762 in 1980.

Oregon's marriage rates are consistently lower than the U.S., while our divorce rates are consistently higher. Figure 23 illustrates the ratio of divorces to marriages for Oregon and the U.S. over the last decade. This figure graphically shows the Oregon divorce/marriage ratio decreasing between 1981 and 1984 but increasing over the last two years. Oregon's higher ratio could be affected by Oregon residents marrying outside the state.

The most common month of marriage in Oregon was August, while for the U.S., June marriages were most common. Although U.S. divorce figures by month are not available, Oregon's divorce rate shows few differences from month to month.

Over the last five years, there has been a 14 percent increase in the percent of divorces for which the related marriages occurred in Oregon. In 1981, 47 percent of all divorces were to couples whose marriage occurred in Oregon, while in 1986 the figure climbed to 53 percent.

FIGURE 22

OREGON MARRIAGE AND DIVORCE RATES 1960–1986 (Rates per 1,000 population)

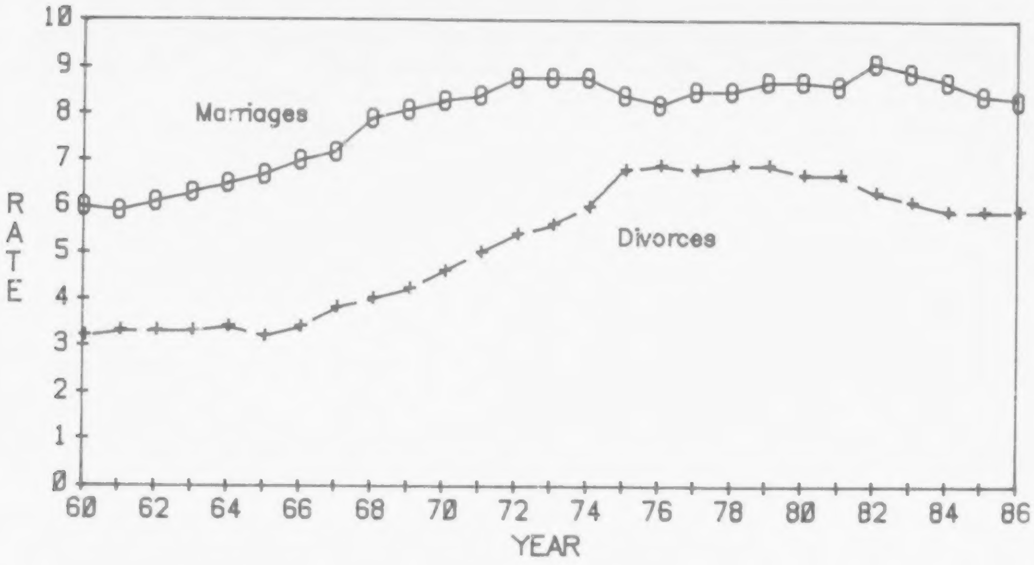
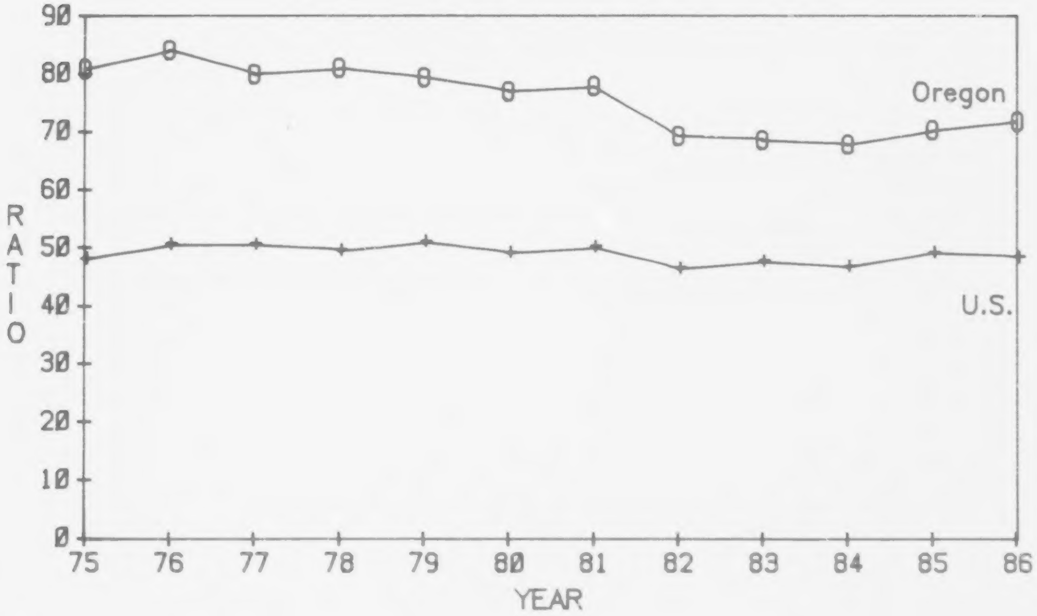


FIGURE 23

DIVORCE TO MARRIAGE RATIO
1975 – 1986, OREGON vs. U.S.



Occurrence Figures Yield Low Marriage Rate

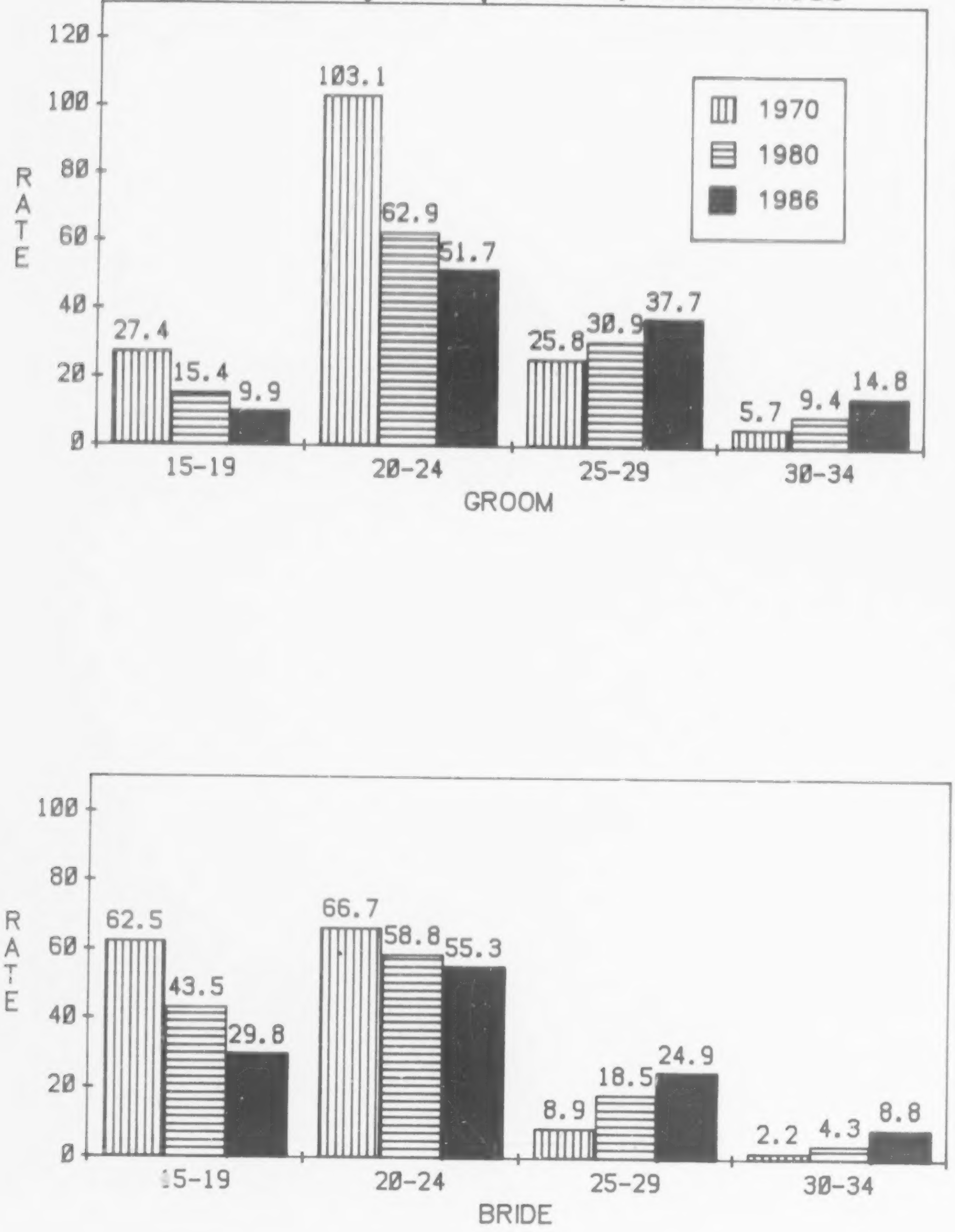
Although the marriage and divorce rates are more useful than the absolute number of events, the calculation of rates is considerably more complicated than for the other areas of vital statistics. First, unlike birth and death events, the states do not exchange certificates of residents. Having only figures of events occurring in Oregon rather than resident figures is a serious problem because there may be several advantages for marrying out of the state of Oregon, but few advantages for divorcing in another state. Oregon has traditionally had stricter requirements (financial and medical) than neighboring states, so many marriages which would normally occur here are counted in Washington, California, Idaho and Nevada. Oregon's marriage rate was the lowest rate in the 13 states making up the Mountain and Pacific regions in 1985, the most recent year for which U.S. data is available. The divorce rate ranked seventh.

Rates by Age for First Marriages Changing

A second factor which makes marriage rates complicated is that the true denominator for the people "at risk of being married" (the number of unmarried people in the population) is available only in census years, and

FIGURE 24

FIRST MARRIAGE RATES FOR BRIDES AND GROOMS
Selected Age Groups, 1970, 1980 & 1986



the total population can be a misleading substitute. Figure 24 refers to only first marriages within certain ages/groups and shows the changes which have occurred over the past fifteen years. For both males and females, the first-marriage rate has declined for ages 15-24, while the rates for those 25 and over have increased. Males in their early twenties and teenage females are marrying at a considerably lower rate than in 1970. In 1986, 61 percent of all marriages were first marriages for grooms. The figure was 59 percent for brides.

The decreasing rates for 15-24 year-olds and the increasing rates for the 25-34 year-olds suggest that people may be delaying marriage. This delay, combined with an older population, resulted in an increase in the median age at first marriage from 23.7 in 1980 to 24.9 in 1986 for grooms and from 21.8 to 23.0 for brides.

Duration of Marriage before Divorce Increases

A definite change is noticable in the duration of marriages terminated in 1986. Ten years earlier, 43.2 percent of divorces were to people who had been married for less than five years. By 1986, only 36.9 percent of the divorced couples were so categorized.

In 1980, the median duration of marriage prior to the dissolution was 6.1 years. Six years later, in 1986, the figure had increased to 6.8. The duration for first divorces and subsequent divorces increased as well. In 1980, the duration was 7.2 for the first time wives and 7.2 for first time husbands. By 1986, the median duration was 7.9 for wives and 7.8 for husbands (Figure 25).

FIGURE 25. MEDIAN DURATION OF MARRIAGE BEFORE DIVORCE, OREGON, 1978-1986

SPOUSE AND YEAR		All Marriages	ORDER OF MARRIAGE			
			1st	2nd	3rd	4th +
Wife	1978	6.0	7.0	5.7	4.7	2.6
	1979	6.1	7.1	5.1	3.5	2.5
	1980	6.1	7.2	4.9	3.7	2.8
	1981	6.4	7.6	5.1	3.9	2.9
	1982	6.6	7.9	5.2	3.9	3.1
	1983	6.8	8.2	5.7	5.1	3.0
	1984	6.6	7.9	5.6	4.2	3.3
	1985	6.6	7.8	5.8	4.1	3.4
	1986	6.8	7.9	5.9	4.6	3.5
Husband	1978	6.0	6.0	4.7	3.5	3.3
	1979	6.1	7.2	4.9	3.7	2.9
	1980	6.1	7.2	4.7	3.8	2.8
	1981	6.4	7.6	5.1	3.9	3.2
	1982	6.6	7.9	5.2	3.9	3.3
	1983	6.8	8.2	5.6	4.4	3.3
	1984	6.6	7.8	5.5	4.2	3.9
	1985	6.6	7.6	5.7	4.5	4.0
	1986	6.8	7.8	5.7	4.8	3.8

More Children Affected by Divorce

The decline in the fertility rate had previously resulted in fewer children under the age of 18 being affected by divorce. Until 1975, the number of decrees was exceeded by the number of affected children, but both figures had increased at a steady rate. After 1975, however, decrees increased through 1980, then decreased through 1984 while the number of children affected by a divorce remained the same or slightly declined. Since 1984, the number of decrees and the number of children affected have increased, the former by 0.9 percent and the latter by 2.4 percent. In 1986, 13,325 children were affected by a divorce.

FIGURE 26

1986 OREGON DIVORCES AND ANNULMENTS
Involving Children Under 18 Years Old

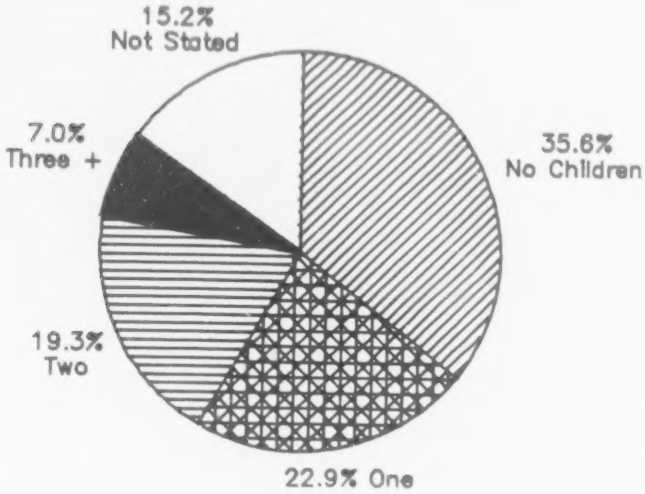


TABLE 57. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY NUMBER OF MINOR CHILDREN (UNDER 18 YEARS) AFFECTED, OREGON, 1986

NUMBER OF CHILDREN REPORTED OF THIS MARRIAGE ONLY	Total	PERCENT
TOTAL	15,774	100.0
0 NO CHILDREN	5,618	35.6
1 CHILD	3,610	22.9
2 CHILDREN	3,051	19.3
3 CHILDREN	861	5.5
4 CHILDREN	180	1.1
5 CHILDREN	42	.3
6 CHILDREN	9	.1
7 CHILDREN	3	.0
8 CHILDREN	2	.0
9 CHILDREN	1	.0
NOT REPORTED	2,397	15.2
TOTAL NUMBER OF REPORTED MINOR CHILDREN AFFECTED	13,325	

TABLE 58. MARRIAGES AND DISSOLUTIONS (INCLUDING ANNULMENTS) BY MONTH OF OCCURENCE, OREGON, 1986

MONTH OF OCCURENCE	MARRIAGES		DISSOLUTIONS AND ANNULMENTS	
	NUMBER	RATE 1/	NUMBER	RATE 1/
TOTAL	22,015	8.3	15,774	5.9
JANUARY	948	4.3	1,355	6.1
FEBRUARY	1,469	6.6	1,282	5.8
MARCH	1,472	6.6	1,243	5.6
APRIL	1,420	6.4	1,265	5.7
MAY	1,971	8.9	1,373	6.2
JUNE	2,620	11.8	1,293	5.8
JULY	2,198	9.9	1,366	6.2
AUGUST	3,022	13.6	1,311	5.9
SEPTEMBER	2,030	9.2	1,338	6.0
OCTOBER	1,380	6.2	1,377	6.2
NOVEMBER	1,593	7.2	1,216	5.5
DECEMBER	1,892	8.5	1,355	6.1

1/ RATES PER 1,000 POPULATION. MONTHLY RATES ARE ANNUAL PROJECTIONS BASED ON ONE-TWELTH OF THE ANNUAL POPULATION

TABLE 59. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF GROOM, OREGON, 1986

AGE OF GROOM	ALL MARRIAGE	FIRST MARRIAGE FOR GROOM	PREVIOUS MARITAL STATUS OF GROOM			
			TOTAL	DIVORCED	WIDOWED	UNKNOWN
TOTAL......	22,015	13,331	8,648	7,870	778	36
15-19......	1,031	1,023	6	6	-	2
20-24......	6,060	5,760	287	282	5	13
25-29......	5,127	4,005	1,113	1,102	11	9
30-34......	3,453	1,697	1,752	1,732	20	4
35-39......	2,429	583	1,844	1,813	31	2
40-44......	1,359	145	1,213	1,180	33	1
45-49......	812	42	769	746	23	1
50-54......	507	23	482	423	59	2
55-59......	371	13	358	270	88	-
60-64......	241	5	235	142	93	1
65-69......	243	9	234	89	145	-
70-74......	143	3	140	33	107	-
75+........	185	3	181	27	154	1
N.S........	54	20	34	25	9	-

- QUANTITY IS ZERO

TABLE 60. MARRIAGES BY AGE GROUPS AND PREVIOUS MARITAL STATUS OF BRIDE, OREGON, 1986

AGE OF BRIDE	ALL MARRIAGE	FIRST MARRIAGE FOR BRIDE	PREVIOUS MARITAL STATUS OF BRIDE			
			TOTAL	DIVORCED	WIDOWED	UNKNOWN
TOTAL......	22,015	13,063	8,923	8,034	889	29
15-19......	2,974	2,930	36	36	-	8
20-24......	6,720	5,948	762	747	15	10
25-29......	4,467	2,721	1,743	1,701	42	3
30-34......	3,089	1,026	2,060	1,995	65	3
35-39......	2,025	309	1,715	1,649	66	1
40-44......	1,012	66	945	873	72	1
45-49......	626	21	605	534	71	-
50-54......	305	2	301	231	70	2
55-59......	189	7	182	111	71	-
60-64......	181	4	177	73	104	-
65-69......	161	2	158	37	121	1
70-74......	110	3	107	18	89	-
75+........	95	1	94	3	91	-
N.S........	61	23	38	26	12	-

- QUANTITY IS ZERO

TABLE 61. ALL MARRIAGES AND FIRST MARRIAGES FOR BOTH BRIDE AND GROOM BY AGE GROUPS, OREGON, 1986

ALL MARRIAGES

AGE OF GROOM	TOTAL	AGE OF BRIDE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL.	22,015	2,974	6,720	4,467	3,089	2,025	1,012	626	305	189	181	161	110	95	61
15-19.	1,031	780	229	18	3	-	-	-	-	-	-	-	-	-	1
20-24.	6,060	1,791	3,468	577	145	56	12	4	-	-	-	-	-	-	7
25-29.	5,127	324	2,142	1,837	589	172	43	13	1	-	-	-	-	-	6
30-34.	3,453	52	593	1,218	1,072	390	99	25	2	-	1	-	-	-	1
35-39.	2,429	16	200	546	796	603	206	54	5	1	-	-	-	-	2
40-44.	1,359	6	55	178	300	445	257	91	22	2	2	-	-	-	1
45-49.	812	2	21	63	130	204	197	139	40	12	3	-	1	-	-
50-54.	507	1	2	16	31	102	111	136	80	17	7	-	1	1	2
55-59.	371	-	3	7	18	36	51	99	79	54	13	8	1	2	-
60-64.	241	-	1	4	3	13	18	37	42	50	45	18	8	2	-
65-69.	243	-	1	-	-	2	13	21	24	35	60	62	17	8	-
70-74.	143	-	-	1	-	-	2	4	5	13	31	39	36	11	1
75+...	185	-	1	-	-	1	2	1	5	5	19	34	46	71	-
N.S...	54	2	4	2	2	1	1	2	-	-	-	-	-	-	40

FIRST MARRIAGES

AGE OF GROOM	TOTAL	AGE OF BRIDE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL.	10,590	2,745	5,084	1,952	602	152	19	10	0	2	2	0	2	0	20
15-19.	984	766	209	8	0	-	-	-	-	-	-	-	-	-	1
20-24.	5,169	1,705	3,085	332	34	6	1	1	-	-	-	-	-	-	5
25-29.	3,018	243	1,509	1,074	167	17	2	2	0	-	-	-	-	-	4
30-34.	1,024	24	237	446	249	62	4	2	0	-	0	-	-	-	0
35-39.	288	3	31	79	124	45	3	2	0	0	-	-	-	-	1
40-44.	65	2	5	10	22	15	8	2	0	0	1	-	-	-	0
45-49.	16	0	4	1	5	5	1	0	0	0	0	-	0	-	-
50-54.	4	0	0	1	0	2	0	0	0	1	0	-	0	0	0
55-59.	3	-	0	0	1	0	0	1	0	1	0	0	0	0	-
60-64.	0	-	0	0	0	0	0	0	0	0	0	0	0	0	-
65-69.	2	-	0	-	-	0	0	0	0	0	1	0	1	0	-
70-74.	0	-	-	0	-	-	0	0	0	0	0	0	0	0	0
75+...	1	-	0	-	-	0	0	0	0	0	0	0	1	0	-
N.S...	16	2	4	1	0	0	0	0	-	-	-	-	-	-	9

- QUANTITY IS ZERO

TABLE 62. MARRIAGES BY COUNTY OF OCCURENCE BY AGE GROUPS OF BRIDE, OREGON, 1986

COUNTY OF OCCURENCE	ALL AGES	AGE OF BRIDE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	22,015	2,974	6,720	4,467	3,089	2,025	1,012	626	305	189	181	161	110	95	61
BAKER......	113	19	42	18	15	8	2	4	-	3	-	1	-	-	1
BENTON.....	466	43	146	113	67	47	22	8	6	2	3	1	7	-	1
CLACKAMAS..	1,833	224	568	366	271	162	105	65	19	7	15	8	13	8	2
CLATSOP....	367	48	107	64	56	42	18	10	7	5	4	3	1	1	1
COLUMBIA...	256	49	77	49	27	24	8	4	2	-	4	6	2	4	-
COOS.......	533	90	154	99	64	49	22	20	12	5	8	3	6	1	-
CROOK......	142	42	38	26	14	5	10	3	-	2	1	-	-	1	-
CURRY......	139	26	31	15	22	16	9	5	1	2	3	6	3	-	-
DESCHUTES..	572	82	159	120	80	52	33	17	7	6	5	4	5	1	1
DOUGLAS....	904	201	270	147	97	80	36	24	12	16	9	6	2	4	-
GILLIAM....	6	1	3	1	-	-	-	-	1	-	-	-	-	-	-
GRANT......	78	15	25	17	7	7	2	3	-	-	-	1	-	1	-
HARNEY.....	38	7	17	2	4	1	5	1	-	-	-	1	-	-	-
HOOD RIVER.	152	22	42	35	18	15	7	3	2	3	2	1	-	-	2
JACKSON....	1,172	210	315	187	177	118	62	26	20	14	14	11	8	9	1
JEFFERSON..	118	24	32	24	14	10	3	5	2	-	2	1	-	-	1
JOSEPHINE..	497	102	113	91	56	53	26	19	12	6	5	7	4	3	-
KLAMATH....	404	87	140	68	36	30	14	8	10	1	-	4	4	1	1
LAKE.......	44	7	11	12	4	4	2	1	-	2	-	-	1	-	-
LANE.......	2,272	284	722	435	324	219	116	66	40	20	20	15	4	5	2
LINCOLN....	476	45	98	100	82	65	33	18	9	7	6	6	2	5	-
LINN.......	711	145	222	135	74	47	24	18	6	5	3	6	6	4	16
MALHEUR....	214	46	70	41	21	14	10	5	1	1	2	3	-	-	-
MARION.....	1,981	286	673	385	242	156	85	57	31	16	18	17	8	6	1
MORROW.....	51	14	10	10	4	6	1	2	2	-	-	1	-	-	1
MULTNOMAH..	4,912	357	1,484	1,175	859	495	196	152	56	43	25	19	21	21	9
POLK.......	271	55	89	48	31	15	8	13	3	3	1	2	1	2	-
SHERMAN....	9	2	1	2	-	3	-	1	-	-	-	-	-	-	-
TILLAMOOK..	181	31	46	42	24	15	6	4	4	1	5	1	-	2	-
UMATILLA...	446	78	169	76	41	37	17	8	7	2	3	3	-	4	1
UNION......	183	39	58	22	22	14	10	3	3	1	3	3	2	2	1
WALLOWA....	56	7	12	7	5	4	2	2	-	-	1	-	-	-	16
WASCO......	177	26	59	30	28	13	7	2	2	4	1	2	2	1	-
WASHINGTON.	1,764	173	569	416	245	161	90	36	19	10	15	14	7	6	3
WHEELER....	9	1	2	-	2	-	2	1	-	-	1	-	-	-	-
YAMHILL....	468	86	146	89	56	38	19	12	9	2	2	5	1	3	-

- QUANTITY IS ZERO

TABLE 63. MARRIAGES BY COUNTY OF OCCURENCE BY AGE GROUPS OF GROOM, OREGON, 1986

COUNTY OF OCCURENCE	ALL AGES	AGE OF GROOM												
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	22,015	1,031	6,060	5,127	3,453	2,429	1,359	812	507	371	241	243	143	185	54
BAKER......	113	9	32	30	12	12	6	1	2	4	2	2	-	-	1
BENTON.....	466	14	129	121	84	41	27	11	17	6	1	8	1	5	1
CLACKAMAS..	1,833	74	512	423	305	208	107	71	47	28	13	18	10	15	2
CLATSOP....	367	15	85	87	64	43	28	17	3	4	7	7	1	5	1
COLUMBIA...	256	9	92	44	31	29	15	11	7	3	3	5	2	5	-
COOS.......	533	38	145	115	76	42	37	24	17	11	7	9	3	7	2
CROOK......	142	11	56	35	9	11	7	5	3	1	2	-	1	1	-
CURRY......	139	11	33	14	31	17	8	3	4	7	4	1	1	5	-
DESCHUTES..	572	29	150	124	94	65	34	26	18	7	6	7	8	3	1
DOUGLAS....	904	70	286	183	118	84	51	31	31	16	12	10	4	8	-
GILLIAM....	6	-	1	1	2	1	-	-	1	-	-	-	-	-	-
GRANT......	78	8	24	14	11	9	5	2	-	3	-	-	-	2	-
HARNEY.....	38	3	14	7	5	3	3	1	1	-	-	-	-	1	-
HOOD RIVER.	152	8	41	32	20	18	11	6	5	4	1	3	-	-	3
JACKSON....	1,172	77	337	208	171	131	83	45	31	23	24	16	11	14	1
JEFFERSON..	118	9	29	29	20	13	8	2	3	1	-	-	1	2	1
JOSEPHINE..	497	31	139	92	66	58	39	18	15	8	7	12	2	10	-
KLAMATH....	404	24	138	87	63	37	15	11	9	6	6	4	1	3	-
LAKE.......	44	4	9	12	3	6	4	1	1	1	1	1	1	-	-
LANE.......	2,272	108	611	523	365	258	140	89	45	56	23	21	18	13	2
LINCOLN....	476	10	94	85	76	80	45	25	15	12	16	8	5	5	-
LINN.......	711	51	227	161	95	68	34	16	7	17	6	4	5	5	15
MALHEUR....	214	14	72	52	31	15	10	4	7	3	3	1	2	-	-
MARION.....	1,981	101	639	472	258	197	104	72	39	27	21	24	12	15	-
MORROW.....	51	4	17	10	6	3	3	1	2	1	-	2	1	-	1
MULTNOMAH..	4,912	120	1,107	1,335	881	607	339	190	104	75	49	44	31	27	3
POLK.......	271	24	97	50	31	28	10	10	6	3	1	5	2	3	1
SHERMAN....	9	1	1	1	2	1	2	-	-	1	-	-	-	-	-
TILLAMOOK..	181	11	47	40	32	21	5	9	5	4	2	2	3	-	-
UMATILLA...	446	27	163	91	57	48	23	11	6	4	5	4	-	6	1
UNION......	183	15	51	36	24	18	13	7	2	2	4	3	3	3	2
WALLOWA....	56	3	14	5	5	8	2	3	-	1	-	-	-	-	15
WASCO......	177	8	58	38	26	21	7	6	4	2	1	2	2	2	-
WASHINGTON.	1,764	58	472	453	313	183	107	64	40	26	9	12	12	14	1
WHEELER....	9	1	1	2	1	-	1	1	1	-	1	-	-	-	-
YAMHILL....	468	31	137	115	65	45	26	18	9	4	4	8	-	6	-

- QUANTITY IS ZERO

TABLE 64. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND DURATION OF MARRIAGE, OREGON, 1986

AGE AT DIVORCE	TOTAL	DURATION OF MARRIAGE					
		UNDER 1 YEAR	1 - 4 YEARS	5 - 9 YEARS	10 - 19 YEARS	20 + YEARS	NOT STATED
HUSBAND TOTAL......	15,774	1,546	5,324	3,860	3,335	1,415	294
15-19........	62	42	17	-	-	-	3
20-24........	1,310	356	848	74	-	-	32
25-29........	2,959	311	1,582	969	48	-	49
30-34........	3,227	234	1,066	1,199	691	-	37
35-39........	2,852	184	694	703	1,191	28	52
40-44........	1,940	124	432	359	713	283	29
45-49........	1,267	90	244	206	284	422	21
50-54........	752	58	137	116	157	276	8
55-59........	510	50	109	81	95	160	15
60-64........	293	25	49	50	50	108	11
65-69........	209	26	36	28	38	68	13
70-74........	100	17	17	17	20	23	6
75+..........	95	18	23	11	12	26	5
N.S..........	198	11	70	47	36	21	13
WIFE TOTAL......	15,774	1,546	5,324	3,860	3,335	1,415	294
15-19........	274	145	115	-	-	-	14
20-24........	2,348	396	1,623	282	-	-	47
25-29........	3,307	289	1,376	1,399	196	-	47
30-34........	3,228	207	879	1,045	1,050	-	47
35-39........	2,627	180	588	531	1,202	89	37
40-44........	1,634	125	308	252	456	460	33
45-49........	921	73	155	125	174	381	13
50-54........	481	39	72	82	85	191	12
55-59........	291	24	56	28	64	107	12
60-64........	207	19	28	30	39	83	8
65-69........	114	13	15	23	16	45	2
70-74........	62	12	13	12	6	16	3
75+..........	44	6	9	1	7	17	4
N.S..........	236	18	87	50	40	26	15

- QUANTITY IS ZERO

TABLE 65. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE AND ORDER OF MARRIAGE, OREGON, 1986

AGE AT DIVORCE	TOTAL	ORDER OF MARRIAGE				
		FIRST	SECOND	THIRD	FOURTH OR MORE	N.S.
HUSBAND TOTAL....	15,774	9,433	3,600	1,170	433	1,135
15-19......	62	59	-	-	-	3
20-24......	1,310	1,205	49	2	-	54
25-29......	2,959	2,471	299	25	4	159
30-34......	3,227	2,218	683	120	18	188
35-39......	2,852	1,503	855	225	54	215
40-44......	1,940	839	613	256	85	147
45-49......	1,267	514	389	168	94	102
50-54......	752	268	245	113	64	62
55-59......	510	130	179	110	37	53
60-64......	293	79	98	62	26	27
65-69......	209	42	85	43	20	19
70-74......	100	20	36	22	15	7
75+........	95	15	40	16	10	14
N.S........	198	70	29	8	6	85
WIFE TOTAL....	15,774	9,416	3,927	1,230	501	698
15-19......	274	261	5	-	-	8
20-24......	2,348	2,140	126	8	1	73
25-29......	3,307	2,466	610	79	14	138
30-34......	3,228	1,846	972	231	53	126
35-39......	2,627	1,206	901	318	100	101
40-44......	1,634	690	550	220	102	72
45-49......	921	383	296	122	88	32
50-54......	481	168	148	96	45	24
55-59......	291	71	111	54	38	17
60-64......	207	58	76	39	23	10
65-69......	114	24	48	22	16	4
70-74......	62	8	24	20	8	2
75+........	44	7	19	8	9	1
N.S........	236	88	41	13	4	90

- QUANTITY IS ZERO

TABLE 66. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURENCE BY AGE GROUPS OF WIFE, OREGON, 1986

COUNTY OF OCCURENCE	ALL AGES	AGE OF WIFE													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	15,774	274	2,348	3,307	3,228	2,627	1,634	921	481	291	207	114	62	44	236
BAKER......	76	2	8	20	10	12	5	5	4	4	5	1	-	-	-
BENTON.....	306	5	34	65	71	67	32	14	6	2	4	1	-	1	4
CLACKAMAS..	1,045	9	140	191	218	192	143	75	29	22	6	5	5	1	9
CLATSOP....	227	1	41	51	42	39	25	11	8	3	2	3	1	-	-
COLUMBIA...	641	12	105	158	117	103	64	36	20	9	5	3	2	2	5
COOS.......	381	8	78	80	76	35	33	20	17	10	12	4	2	3	3
CROOK......	80	-	21	17	12	10	6	4	2	-	2	2	2	-	2
CURRY......	98	2	15	17	17	19	11	5	4	2	3	2	-	-	1
DESCHUTES..	332	10	60	56	74	55	29	16	8	10	5	2	2	2	3
DOUGLAS....	563	19	95	127	93	89	49	31	20	13	4	7	2	3	11
GILLIAM....	3	-	-	1	-	-	-	1	-	-	1	-	-	-	-
GRANT......	73	2	7	19	15	8	10	8	3	-	-	-	-	-	1
HARNEY.....	42	1	4	8	9	3	6	4	2	2	2	1	-	-	-
HOOD RIVER.	457	5	76	106	82	76	49	27	18	5	4	4	1	-	4
JACKSON....	783	27	107	149	157	132	93	41	19	16	9	6	5	3	19
JEFFERSON..	50	-	9	13	7	11	2	4	1	1	-	-	1	-	1
JOSEPHINE..	615	16	93	102	112	107	63	53	26	15	12	4	5	3	4
KLAMATH....	410	10	71	84	91	62	35	21	11	5	6	6	3	1	4
LAKE.......	76	-	11	15	21	13	2	5	2	3	2	-	1	-	1
LANE.......	1,805	15	250	385	395	320	175	113	57	33	27	12	5	3	15
LINCOLN....	200	3	23	40	38	32	27	13	5	6	6	1	1	-	5
LINN.......	437	11	89	91	81	74	44	16	11	6	9	2	1	-	2
MALHEUR....	125	5	25	22	17	22	9	7	3	5	6	1	-	1	2
MARION.....	949	18	133	193	194	133	95	47	30	15	15	6	2	2	66
MORROW.....	51	3	8	8	12	9	5	3	1	1	1	-	-	-	-
MULTNOMAH..	3,129	35	415	673	694	544	344	172	86	55	34	21	10	7	39
POLK.......	563	16	73	137	108	93	55	34	22	10	3	4	2	2	4
SHERMAN....	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	180	3	27	30	41	40	16	9	3	3	3	2	1	1	1
UMATILLA...	352	8	68	75	68	55	30	15	8	7	5	2	1	2	8
UNION......	59	2	13	10	18	4	5	5	-	-	-	-	-	1	1
WALLOWA....	40	-	9	8	7	5	4	3	2	-	1	1	-	-	-
WASCO......	154	4	19	38	31	25	15	10	4	2	1	-	2	1	2
WASHINGTON.	1,097	12	159	238	228	178	114	75	38	20	8	4	2	3	18
WHEELER....	6	-	-	1	2	-	-	-	1	-	1	1	-	-	-
YAMHILL....	368	10	61	79	70	60	39	18	10	6	3	6	3	2	1

- QUANTITY IS ZERO

TABLE 67. DISSOLUTION OF MARRIAGES BY COUNTY OF OCCURENCE BY AGE GROUPS OF HUSBAND, OREGON, 1986

COUNTY OF OCCURENCE	ALL AGES	AGE OF HUSBAND													
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	N.S.
TOTAL......	15,774	62	1,310	2,959	3,227	2,852	1,940	1,267	752	510	293	209	100	95	198
BAKER......	76	-	11	11	13	7	9	6	5	5	3	3	1	1	1
BENTON.....	306	1	22	53	81	52	39	25	10	8	5	1	1	1	7
CLACKAMAS..	1,045	2	65	177	209	199	153	91	63	34	18	11	5	5	13
CLATSOP....	227	1	23	50	44	40	24	20	9	4	5	3	1	1	2
COLUMBIA...	641	1	44	152	144	108	75	40	31	21	11	11	3	-	-
COOS.......	381	2	39	90	66	51	32	29	27	10	15	10	5	5	-
CROOK......	80	1	9	13	18	11	9	7	3	3	2	1	3	-	-
CURRY......	98	-	6	18	17	19	10	6	6	9	3	2	2	-	-
DESCHUTES..	332	7	37	44	58	69	52	20	9	13	12	2	2	3	4
DOUGLAS....	563	2	58	96	124	98	57	53	21	19	13	7	3	7	5
GILLIAM....	3	-	-	-	1	-	1	-	-	-	1	-	-	-	-
GRANT......	73	-	3	12	16	13	10	7	5	5	-	-	-	-	2
HARNEY.....	42	-	4	5	6	7	6	5	1	4	1	1	1	1	-
HOOD RIVER.	457	2	37	93	101	86	53	25	26	17	11	4	1	-	1
JACKSON....	783	8	71	133	156	146	94	67	24	30	12	16	10	4	12
JEFFERSON..	50	-	4	10	10	12	5	3	3	-	-	1	1	1	-
JOSEPHINE..	615	2	53	91	106	112	100	54	37	14	15	16	6	4	5
KLAMATH....	410	3	42	81	90	71	41	29	15	14	11	7	4	1	1
LAKE.......	76	-	6	11	13	14	12	7	4	2	3	2	1	-	1
LANE.......	1,805	2	127	345	360	368	225	150	81	58	31	27	8	12	11
LINCOLN....	200	-	12	30	46	30	23	21	12	7	6	5	3	1	4
LINN.......	437	4	52	91	85	77	55	25	20	15	5	2	5	1	-
MALHEUR....	125	1	16	27	20	14	9	12	9	4	7	4	1	1	-
MARION.....	949	1	98	190	171	139	113	67	37	28	15	14	7	4	65
MORROW.....	51	1	8	9	10	6	5	7	2	2	1	-	-	-	-
MULTNOMAH..	3,129	8	227	551	678	623	391	260	151	90	51	37	9	20	33
POLK.......	563	4	50	116	119	105	55	42	23	27	5	5	3	4	5
SHERMAN....	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
TILLAMOOK..	180	2	13	26	41	34	18	20	8	7	6	-	2	2	1
UMATILLA...	352	1	32	90	60	53	41	30	16	14	3	4	1	2	5
UNION......	59	-	6	11	18	9	6	2	4	1	-	1	-	-	1
WALLOWA....	40	-	3	6	10	5	6	3	4	-	1	-	-	2	-
WASCO......	154	1	7	36	41	24	13	10	10	3	2	1	3	1	2
WASHINGTON.	1,097	4	90	212	222	185	159	93	57	34	11	5	4	6	15
WHEELER....	6	-	-	-	1	-	-	1	2	-	1	-	1	-	-
YAMHILL....	368	1	35	78	72	65	39	30	17	8	7	6	3	5	2

- QUANTITY IS ZERO

TABLE 68. DISSOLUTIONS AND ANNULMENTS BY DURATION OF MARRIAGE AND ORDER OF MARRIAGE FOR HUSBAND AND WIFE, OREGON, 1986

DURATION OF MARRIAGE	TOTAL	ORDER OF MARRIAGE				
		FIRST	SECOND	THIRD	FOURTH OR MORE	N.S.
HUSBAND						
TOTAL......	15,774	9,433	3,600	1,170	433	1,135
UNDER 1 YEAR.	1,546	723	427	176	101	118
1 YEAR.......	1,404	730	359	163	61	91
2 YEARS......	1,372	735	377	118	46	96
3 YEARS......	1,314	716	356	121	43	78
4 YEARS......	1,234	689	310	91	30	114
5 YEARS......	1,039	600	259	84	21	75
6 YEARS......	880	516	221	64	20	59
7 YEARS......	731	424	183	54	22	47
8 YEARS......	648	386	146	52	14	50
9 YEARS......	562	327	134	34	10	57
10-14 YEARS..	2,116	1,414	418	111	25	147
15-19 YEARS..	1,219	916	184	35	13	71
20-24 YEARS..	693	542	83	16	3	49
25-29 YEARS..	379	311	34	13	1	20
30+ YEARS....	343	282	28	3	2	28
N.S..........	294	122	81	35	21	35
WIFE						
TOTAL......	15,774	9,416	3,927	1,230	501	698
UNDER 1 YEAR.	1,546	678	455	208	130	73
1 YEAR.......	1,404	720	407	164	67	46
2 YEARS......	1,372	729	388	134	60	61
3 YEARS......	1,314	751	344	124	49	46
4 YEARS......	1,234	690	330	111	34	69
5 YEARS......	1,039	599	285	83	21	51
6 YEARS......	880	509	254	65	17	35
7 YEARS......	731	431	201	56	20	23
8 YEARS......	648	374	201	35	10	28
9 YEARS......	562	313	165	39	13	32
10-14 YEARS..	2,116	1,407	480	97	29	103
15-19 YEARS..	1,219	923	201	36	15	44
20-24 YEARS..	693	570	74	18	6	25
25-29 YEARS..	379	315	39	10	3	12
30+ YEARS....	343	284	30	4	1	24
N.S..........	294	123	73	46	26	26

TABLE 69. DISSOLUTION OF MARRIAGES AND ANNULMENTS BY STATE OR REGION WHERE MARRIAGE OCCURED BY DURATION OF MARRIAGE, OREGON, 1986

STATE OR REGION OF MARRIAGE	TOTAL	UNDER 1 YEAR	1 - 4 YEARS	5 - 9 YEARS	10 - 19 YEARS	20 + YEARS	NOT STATED
TOTAL...............	15,774	1,546	5,324	3,860	3,335	1,415	294
NEW ENGLAND.........	58	1	9	16	19	12	1
MIDDLE ATLANTIC.....	115	1	21	16	50	27	-
EAST NORTH CENTRAL..	261	12	36	54	98	57	4
WEST NORTH CENTRAL..	233	8	40	50	76	59	-
SOUTH ATLANTIC......	202	11	62	41	54	32	2
EAST SOUTH CENTRAL..	50	-	16	7	15	11	1
WEST SOUTH CENTRAL..	169	12	58	30	41	27	1
MOUNTAIN............	2,841	305	879	764	627	213	53
MONTANA...........	46	1	12	13	14	6	-
IDAHO.............	282	27	79	60	74	42	-
WYOMING...........	24	1	9	3	8	3	-
COLORADO..........	94	6	30	24	22	11	1
NEW MEXICO........	30	3	8	10	5	4	-
ARIZONA...........	88	5	24	19	25	14	1
UTAH..............	65	2	18	24	12	9	-
NEVADA............	2,212	260	699	611	467	124	51
PACIFIC.............	11,490	1,178	4,130	2,814	2,258	928	182
OREGON............	8,356	959	3,259	2,011	1,450	530	147
WASHINGTON........	1,873	171	619	479	374	204	26
CALIFORNIA........	1,117	37	201	279	404	188	8
ALASKA............	65	4	21	17	18	5	-
HAWAII............	79	7	30	28	12	1	1
CANADA..............	34	2	9	7	11	5	-
MEXICO..............	28	-	3	5	14	6	-
PUERTO RICO.........	1	-	-	1	-	-	-
VIRGIN ISLANDS......	1	-	1	-	-	-	-
GUAM................	2	-	-	-	2	-	-
CUBA................	2	-	-	1	1	-	-
NOT STATED..........	88	4	13	11	9	3	48

- QUANTITY IS ZERO

MORBIDITY

Incomplete Reporting Causes Incomplete Data

The number of cases reported for each disease category in the following sections probably underestimates the actual number of cases that have occurred during the year. Although reporting of communicable disease by physicians and others is mandatory in Oregon, underreporting frequently occurs because of a break in the chain of events leading to the report of a disease. This chain includes the occurrence of the disease in an individual patient, the seeking of medical care by that patient, the making of the correct diagnosis by the physician, and the reporting of that diagnosed patient to the local health department. Failure to seek medical care and failure to report diagnosed cases are probably the most common causes of incomplete reporting.

Significant trends in the reporting of certain diseases in Oregon were observed in 1986. Upward trends were most significant, in terms of public health importance and workload for public health agencies, in viral hepatitis and Acquired Immune Deficiency Syndrome (AIDS). Downward trends continued in reported cases of gonorrhea and tuberculosis.

Sexually Transmitted Diseases

The sexually transmitted diseases that are of public health significance continue to change in type and number. Ten years ago, we dealt with gonorrhea and syphilis almost to the exclusion of other STD's. During 1986, gonorrhea cases continued to decrease while the number of syphilis cases stayed about average. Obviously, AIDS has become a bigger public health problem and has gotten a lot of attention.

Chlamydia has become epidemic and by 1987, we will report more chlamydia cases than gonorrhea. Condyloma (venereal warts) is becoming a much greater problem for women as it is showing up on Pap tests in about five percent of the women tested through public health clinics. By 1988, we will probably report epidemic numbers of condyloma cases.

The age groups most effected by STD's continue to be teenage and young adult.

Acquired Immune Deficiency Syndrome (AIDS)

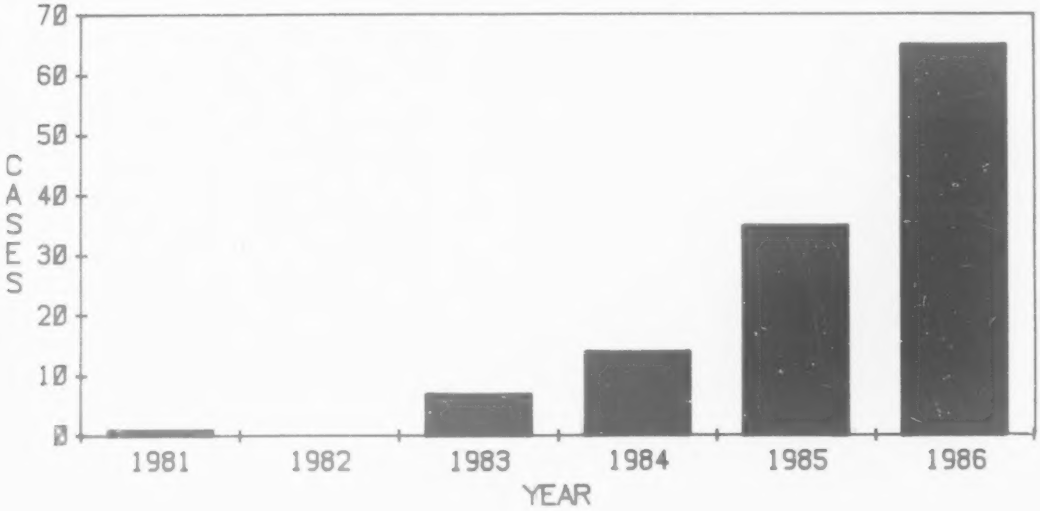
Morbidity from AIDS and HIV-related diseases continued to increase during 1986 at a near exponential rate in Oregon (Figure 27). There were 66 cases reported in 1986, compared to 36 cases in 1985, and 19 in 1984. Oregon ranked 25th in reported cases relative to other states in the nation. Oregon's overall case rate is approximately one case per 15,500 residents; but for men 20 to 49 years old, the cumulative incidence increases to one per 4,000.

Homosexual/bisexual men and homosexual/bisexual men who use intravenous drugs comprise 92 percent of Oregon's cases, compared to 74 percent nationally. Heterosexual intravenous drug users make up only two percent of Oregon's cases, but represent 17 percent of U.S. AIDS cases.

Multnomah County, with 21 percent of Oregon's population, reported the majority (67 percent) of AIDS cases in Oregon. Over time, however, this represents a decline in the proportion of cases from Multnomah County: 86 percent of Oregon's cases were reported from Multnomah County before 1985.

FIGURE 27

CASES OF ACQUIRED IMMUNODEFICIENCY SYNDROME
Reported In Oregon, 1981–1986



Tuberculosis

The downward trend in tuberculosis morbidity in Oregon began in 1981 (7.7 per 100,000) and has continued through 1986 (5.1 per 100,000). Multnomah County, which has usually contributed at least half of the state tuberculosis morbidity, has seen an even greater reduction in morbidity (24.0 to 11.8 per 100,000) in this five year period. In contrast, tuberculosis morbidity increased (1.7 percent) in the United States this year -- the first increase since 1975. This increase is, at least in part, due to the occurrence of tuberculosis among persons infected with the Human Immunodeficiency Virus (HIV), which causes AIDS. HIV infection induces immunosuppression, which allows latent tuberculosis infection to progress to clinically apparent tuberculosis disease. Two tuberculosis cases were reported in AIDS patients in Oregon in 1986. The increase in AIDS cases in Oregon may slow the decrease in tuberculosis morbidity.

Hepatitis A and B in Oregon, 1986

Hepatitis A continues to be a major public health problem in Oregon. As shown in Figure 28, the number of cases of Hepatitis A has dramatically increased in 1985-86 in comparison to the previous 6 years. In fact, the annual number of cases in 1985-86 is more than four times the number of cases reported in 1982. Cases have been reported from all areas of the state, usually in sequential outbreaks by county. The Portland metropolitan counties of Multnomah, Clackamas, and Washington, as well as Lane, Douglas, Josephine, Jackson, Klamath, Marion, and Polk have been especially affected.

FIGURE 28

HEPATITIS A CASES IN OREGON
by year of report, 1978–1986

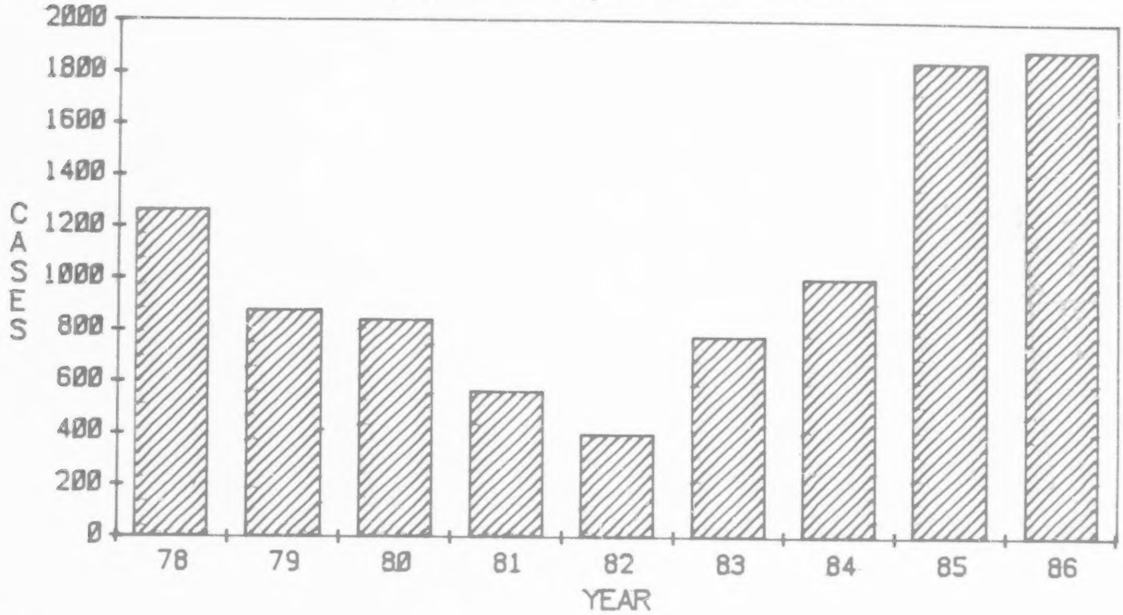
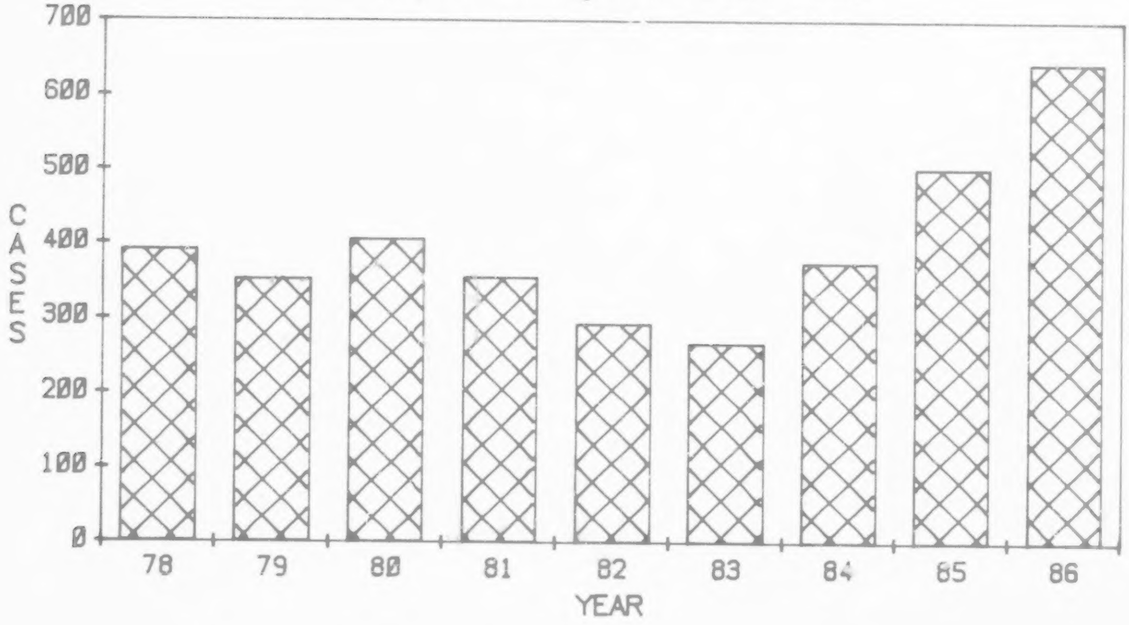


FIGURE 29

HEPATITIS B CASES IN OREGON
by year of report, 1978–1986



Hepatitis B has been similarly rising in numbers in Oregon. As seen in Figure 29, the number of cases of Hepatitis B in 1986 more than doubles the 1979 number. In fact, the number of cases of Hepatitis B in 1986 is the greatest number ever reported in Oregon.

Most cases are between the ages of 15 and 39. The incidence in men is twice that in women. Most alarming is the pronounced increase in cases among children between the ages of 15 and 19. The incidence in this age group averaged 14.4 per 100,000 during 1981-1985; the incidence in 1986 was 45 per 100,000. Most of these cases (58 percent) were related to intravenous drug use.

Hepatitis B is a very serious personal health issue, as well as a serious public health problem for Oregon.

TABLE 70. REPORTED CASES OF GONORRHEA BY AGE GROUP AND SEX, OREGON, 1981-1986

AGE GROUP AND SEX	1981		1982		1983		1984		1985		1986	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
TOTAL	9189	345.4	7791	293.3	6672	253.2	6635	249.4	6409	239.5	5481	206.1
Male	5346	407.9	4394	335.9	3647	282.1	3565	272.8	3529	268.6	3114	238.4
Female	3843	284.7	3397	252.0	3025	225.0	3070	226.9	2880	211.5	2367	174.9
Under 10	11	-	13	3.3	14	3.6	10	2.6	3	0.8	7	1.8
Male	2	-	1	0.5	4	2.0	2	1.0	2	1.0	1	0.3
Female	9	-	12	6.3	10	5.3	8	4.2	1	0.5	6	1.5
10 - 14	58	28.5	59	29.4	76	38.9	104	54.8	79	42.7	74	41.5
Male	6	5.8	5	4.9	7	7.0	11	11.3	12	12.7	6	6.6
Female	52	52.4	54	55.2	69	72.3	93	100.3	67	74.3	68	78.0
15 - 19	2022	928.6	1738	809.8	1552	730.4	1728	849.1	1697	857.9	1336	663.5
Male	660	1268.9	574	521.8	525	494.0	603	581.3	625	618.1	523	507.6
Female	1362	1279.2	1164	1112.6	997	976.3	1125	1127.5	1072	1108.6	813	826.8
20 - 24	2970	1268.9	2530	1123.1	2220	1004.1	2166	963.2	1944	901.5	1646	752.0
Male	1735	1497.3	1448	1286.7	1204	1088.3	1225	1079.4	1104	1009.0	936	840.2
Female	1235	1045.0	1082	959.8	1016	919.7	941	844.7	840	790.8	710	660.7
25 - 29	1864	737.6	1508	614.2	1188	507.8	1069	469.9	1118	490.7	994	461.5
Male	1334	1058.4	1039	855.5	790	683.3	703	626.0	752	668.3	640	602.7
Female	530	418.4	469	378.0	398	336.4	366	317.7	366	317.4	354	324.2
30 - 34	975	403.0	772	320.9	603	255.0	529	219.6	534	219.1	535	231.8
Male	730	598.0	576	475.1	441	371.8	392	324.0	385	316.7	390	339.9
Female	245	204.4	196	164.2	162	137.5	137	114.3	149	122.0	145	125.0
35 - 39	389	216.5	334	174.1	300	151.7	253	121.4	257	115.5	268	118.5
Male	307	338.5	255	263.5	230	231.1	191	181.6	186	165.8	213	187.1
Female	82	92.2	79	83.1	70	71.2	62	60.1	71	64.4	55	49.0
40 +	321	39.1	287	30.3	238	24.9	234	24.0	237	24.0	244	24.5
Male	268	67.8	299	51.6	187	42.0	187	41.2	200	43.4	205	44.1
Female	53	12.5	58	11.5	51	10.0	47	9.0	37	7.0	39	7.3
Age N.S.	579		550		511		542		540		377	
Male	304		267		259		251		263		200	
Female	275		283		252		291		277		177	

All rates per 100,000 population within the specific age group.

TABLE 71. REPORTED CASES OF PRIMARY AND SECONDARY SYPHILIS BY AGE GROUP, OREGON, 1981-1986

AGE GROUP	1981		1982		1983		1984		1985		1986	
	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates	Cases	Rates
TOTAL	123	4.6	111	4.2	144	5.5	117	4.4	112	4.2	126	4.7
10 - 14	-	-	-	-	-	-	-	-	1	0.5	-	0.0
15 - 19	12	5.5	7	3.3	3	1.4	10	4.9	10	5.1	12	6.0
20 - 24	25	10.7	27	12.0	26	11.8	18	8.0	20	9.3	34	15.5
25 - 29	25	9.9	28	11.4	33	14.1	228	12.3	25	11.0	27	12.5
30 - 34	25	10.3	17	7.1	32	13.5	20	8.3	21	8.6	27	11.7
35 - 39	14	7.8	11	5.7	22	11.1	12	5.8	15	6.7	12	5.3
40 +	22	2.3	21	2.2	28	2.9	29	3.0	20	2.0	14	1.4

Includes primary and secondary syphilis only.
Rates per 100,000 population within the specific age group.

TABLE 72. REPORTED CASES OF SYPHILIS AND GONORRHEA, OREGON, 1945-1986

YEAR	SYPHILIS			GONORRHEA	
	TOTAL		Primary and Secondary (Contagious)		
	Cases	Rate		Cases	Rate
1945	1717	139.9	472	3214	261.9
1946	1447	107.4	493	2438	180.9
1947	1427	100.3	439	1945	136.7
1948	1205	81.9	286	2363	92.7
1949	703	46.5	152	854	56.5
1950	525	34.5	54	614	40.4
1951	381	24.3	46	745	47.5
1952	629	39.3	56	702	43.8
1953	683	41.7	48	557	34.0
1954	713	42.9	44	548	33.0
1955	609	36.0	37	470	27.8
1956	598	34.5	52	490	28.2
1957	589	33.9	21	611	35.2
1958	716	41.4	22	916	53.0
1959	746	42.0	46	1029	57.9
1960	637	36.0	72	1331	75.3
1961	524	28.8	43	1258	69.3
1962	561	30.7	49	1287	70.5
1963	593	31.9	73	1783	96.1
1964	377	19.8	76	2177	114.2
1965	427	22.4	47	2520	127.8
1966	222	11.1	46	2811	140.8
1967	206	10.3	43	3363	167.6
1968	199	9.7	41	4056	197.8
1969	201	9.7	43	5799	277.6
1970	177	8.5	32	6793	324.8
1971	114	5.3	15	9043	422.0
1972	113	5.2	40	10206	476.5
1973	148	6.7	49	11146	501.0
1974	237	10.5	118	11704	516.5
1975	304	13.2	145	11449	498.0
1976	250	10.7	106	11022	470.7
1977	282	11.8	144	11044	460.9
1978	415	16.8	170	11253	455.2
1979	361	14.2	168	10278	404.0
1980	296	11.2	109	11162	424.0
1981	272	10.2	123	9189	345.4
1982	214	8.1	111	7796	293.5
1983	274	10.4	144	6672	253.2
1984	251	9.4	117	6635	249.4
1985	236	8.8	112	6409	239.5
1986	234	8.8	126	5481	206.1

Rates per 100,000 population.

TABLE 73. REPORTED CASES OF SYPHILIS AND GONORRHEA BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	SYPHILIS					GONORRHEA	
	TOTAL		Primary and Secondary (Contagious)	Early Latent	Late		
	Cases	Rate				Cases	Rate
TOTAL	234	8.8	126	76	32	5481	206.1
Baker	-	0.0	-	-	-	5	32.3
Benton	-	0.0	-	-	-	55	83.2
Clackamas	10	4.0	5	2	3	280	112.8
Clatsop	2	6.1	1	1	-	30	91.2
Columbia	-	0.0	-	-	-	15	41.6
Coos	-	0.0	-	-	-	64	111.3
Crook	-	0.0	-	-	-	8	59.3
Curry	-	0.0	-	-	-	15	88.8
Deschutes	-	0.0	-	-	-	48	73.4
Douglas	2	2.2	-	-	2	108	116.5
Gilliam	-	0.0	-	-	-	1	55.6
Grant	-	0.0	-	-	-	1	12.0
Harney	-	0.0	-	-	-	-	0.0
Hood River	2	12.3	-	1	1	20	123.5
Jackson	3	2.2	-	1	2	134	96.8
Jefferson	10	83.3	6	4	-	28	233.3
Josephine	1	1.6	1	-	-	68	110.7
Klamath	2	3.5	2	-	-	80	141.1
Lake	-	0.0	-	-	-	4	54.8
Lane	18	6.9	9	7	2	430	164.3
Lincoln	2	5.4	1	-	1	28	75.9
Linn	2	2.3	2	-	-	77	89.5
Malheur	1	3.8	1	-	-	16	61.1
Marion	53	25.3	25	24	4	517	247.1
Morrow	-	0.0	-	-	-	9	115.4
Multnomah	104	18.4	60	29	15	2922	516.1
Polk	1	2.2	1	-	-	42	92.1
Sherman	-	0.0	-	-	-	1	47.6
Tillamook	-	0.0	-	-	-	2	9.4
Umatilla	2	3.4	1	-	1	57	97.1
Union	1	4.3	-	1	-	28	121.7
Wallowa	-	0.0	-	-	-	1	13.9
Wasco	1	4.6	1	-	-	11	50.9
Washington	11	4.0	5	5	1	281	102.8
Wheeler	-	0.0	-	-	-	2	133.3
Yamhill	6	10.5	5	1	-	93	162.9

Rates per 100,000 population

TABLE 74. REPORTED TUBERCULOSIS CASES AND DEATHS, OREGON, 1950 - 1986

YEAR	CASES/1		DEATHS	
	Number	Rate	Number	Rate
1950	676	44.4	201	13.2
1951	765	48.8	209	13.3
1952	863	53.9	146	9.1
1953	656	40.1	112	6.8
1954	636	38.2	84	5.1
1955	638	37.7	80	4.7
1956	593	34.2	70	4.0
1957	578	33.3	62	3.6
1958	572	33.1	54	3.1
1959	560	31.5	69	3.9
1960	492	27.8	63	3.6
1961	454	25.0	57	3.1
1962	417	22.8	43	2.3
1963	395	21.3	51	2.7
1964	416	21.8	48	2.5
1965	361	18.3	34	1.8
1966	386	19.3	43	2.2
1967	322	16.0	37	1.8
1968	290	14.1	29	1.4
1969	357	17.2	24	1.2
1970	265	12.7	18	0.9
1971	249	11.6	29	1.4
1972	234	10.7	30	1.4
1973	239	10.7	30	1.3
1974	207	9.1	24	1.1
1975	194	8.4	20	0.9
1976	197	8.4	20	0.9
1977	171	7.1	13	0.5
1978	204	8.3	21	0.8
1979	179	7.0	20	0.8
1980	218	8.3	27	1.0
1981	206	7.7	18	0.7
1982	194	7.3	14	0.5
1983	182	6.9	19	0.7
1984	156	5.9	23	0.9
1985	144	5.4	16	0.6
1986	136	5.1	7	0.3

All rates per 100,000 population

1 From 1950 to 1974 new cases include those cases first reported in that year. Since 1975 new cases include those cases first reported in that year plus reactivations.

MORBIDITY

TABLE 75. CASES OF REPORTABLE DISEASES BY MONTH OF REPORT, OREGON 1986

DISEASES	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Amebiasis	82	7	4	12	4	5	5	8	13	2	-	11	11
Botulism	3	1	-	-	-	-	-	-	-	-	1	1	-
Hepatitis													
Type A (Infectious)	1899	262	256	183	125	104	117	144	132	102	136	163	175
Type B (Serum)	646	42	40	66	52	62	49	32	60	53	60	53	77
Non A Non B	167	10	13	21	14	20	9	11	13	12	11	9	24
Unspecified	13	-	3	1	-	2	1	2	3	-	-	1	-
Legionellosis	2	-	-	-	-	1	1	-	-	-	-	-	-
Leprosy	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	19	1	4	3	1	3	1	2	-	-	-	4	-
Meningococcal Infections	38	4	5	4	1	5	2	-	8	1	1	4	3
Pertussis (Whooping Cough)	16	-	2	-	3	3	1	-	1	2	-	2	2
Psittacosis	4	-	-	-	-	1	1	-	-	-	-	-	2
Rubella	4	-	-	-	-	-	-	1	-	-	3	-	-
Rubella, Congenital Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis (Excl. Typhoid)	235	12	8	25	13	25	18	18	35	30	16	24	11
Shigella (Bacillary Dysentery)	128	6	7	7	4	4	-	9	34	5	-	28	24
Tularemia	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	1	-	-	-	-	-	-	1	-	-	-	-	-
Typhus Fever (Tick-Borne Rocky Mt. Spot)	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic-Shock Syndrome	2	-	-	-	-	-	-	-	-	-	-	-	2

TABLE 76. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1986

COUNTY OF RESIDENCE	AMEBIASIS	HEPATITIS				MALARIA	MEASLES	MENINGOCOCCAL INFECTIONS
		Type A	Type B	Non A Non B	Unspecified			
TOTAL	82	1899	646	167	13	19	12	38
Baker	1	3	1	1	-	-	-	-
Benton	5	13	12	4	1	-	-	-
Clackamas	4	116	36	14	-	-	1	4
Clatsop	2	8	7	2	-	-	1	-
Columbia	-	7	1	-	-	-	-	-
Coos	1	18	7	2	-	-	-	1
Crook	-	7	1	1	1	-	-	-
Curry	-	5	3	1	-	-	-	-
Deschutes	-	20	15	3	1	-	2	1
Douglas	-	110	11	1	-	1	-	2
Gilliam	-	-	-	-	-	-	-	-
Grant	-	2	1	-	-	-	1	-
Harney	-	1	1	-	-	-	-	-
Hood River	2	2	10	-	-	-	-	2
Jackson	3	62	18	8	1	1	-	-
Jefferson	-	25	-	-	-	-	-	-
Josephine	1	21	24	15	2	2	2	-
Klamath	-	116	8	2	-	-	-	-
Lake	-	1	-	-	-	-	-	-
Lane	9	282	35	7	-	2	1	4
Lincoln	-	12	5	4	1	-	-	1
Linn	2	28	21	8	-	-	-	2
Malheur	-	4	1	-	-	-	-	-
Marion	11	251	91	22	-	5	1	6
Morrow	-	-	1	-	-	-	1	-
Multnomah	30	541	252	57	5	4	2	12
Polk	-	73	13	2	-	1	-	1
Tillamook	-	5	3	-	-	-	-	-
Umatilla	-	42	16	1	-	-	-	-
Union	-	4	2	-	-	-	-	-
Wallowa	-	-	-	-	-	-	-	-
Wasco-Sherman*	-	11	8	1	-	1	-	-
Washington	8	84	33	10	-	-	-	1
Wheeler	-	-	-	-	-	-	-	-
Yamhill	3	25	9	1	1	2	-	1

*Wasco and Sherman Counties reported together

TABLE 76. CASES OF REPORTABLE DISEASES BY COUNTY OF RESIDENCE, OREGON, 1986, continued

COUNTY OF RESIDENCE	PERTUSSIS	RUBELLA	SALMON-ELLOSIS	SHIGEL-LOSIS	TUBERCU-LOSIS	TULAREMIA	TYPHOID FEVER
TOTAL	16	4	235	128	136	-	1
Baker	-	-	1	-	-	-	-
Benton	-	-	5	3	4	-	-
Clackamas	2	-	19	14	8	-	-
Clatsop	-	-	-	1	2	-	-
Columbia	-	-	2	-	1	-	-
Coos	-	-	4	-	-	-	-
Crook	-	-	-	-	1	-	-
Curry	-	-	-	-	1	-	-
Deschutes	-	-	4	17	-	-	-
Douglas	1	-	4	-	4	-	-
Gilliam	-	-	-	-	-	-	-
Grant	-	-	-	-	-	-	-
Harney	-	-	-	-	-	-	-
Hood River	-	-	-	-	-	-	-
Jackson	3	-	13	3	2	-	-
Jefferson	-	-	5	7	1	-	-
Josephine	1	2	4	1	-	-	-
Klamath	1	-	3	7	2	-	-
Lake	-	-	-	-	-	-	-
Lane	-	-	19	6	11	-	-
Lincoln	2	-	3	-	-	-	-
Linn	-	-	13	1	1	-	-
Malheur	-	-	5	18	1	-	-
Marion	1	-	28	12	12	-	-
Morrow	-	-	1	-	1	-	-
Multnomah	5	2	61	16	67	-	-
Polk	-	-	6	-	1	-	1
Tillamook	-	-	1	-	1	-	-
Umatilla	-	-	8	1	-	-	-
Union	-	-	2	-	1	-	-
Wallowa	-	-	-	-	-	-	-
Wasco-Sherman*	-	-	1	12	-	-	-
Washington	-	-	18	9	11	-	-
Wheeler	-	-	-	-	-	-	-
Yamhill	-	-	5	-	3	-	-

*Wasco and Sherman Counties reported together

POPULATION

TABLE 77. POPULATION DISTRIBUTION BY AGE AND SEX, OREGON, 1950, 1960, 1970, 1975, 1978-1986

YEAR AND SEX	TOTAL	AGE GROUPS																
		0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+
1950	1,521,341	163,915	131,596	108,140	96,738	105,070	117,706	116,800	117,361	105,575	93,228	86,118	77,843	68,230	54,455	37,095	34,979	1/	6,492
M	772,776	83,614	67,244	55,528	47,652	51,469	57,940	57,930	59,391	54,452	48,574	44,802	40,426	36,027	28,498	19,085	17,143	1/	3,001
F	748,565	80,301	64,352	52,612	49,086	53,601	59,766	58,870	57,970	51,123	44,654	41,316	37,417	32,203	25,957	18,010	17,836	1/	3,491
1960	1,768,675	185,403	189,333	170,768	131,315	95,773	96,636	107,999	118,152	116,218	114,074	101,313	87,606	74,007	65,908	52,734	34,274	17,713	9,449
M	879,929	94,330	96,553	87,191	64,463	46,011	47,318	52,924	57,451	57,832	57,574	52,052	43,615	37,003	32,257	25,175	16,407	7,935	3,838
F	888,746	91,073	92,780	83,577	66,852	49,762	49,318	55,075	60,701	58,386	56,500	49,261	43,991	37,004	33,651	27,559	17,867	9,778	5,611
1970	2,091,385	164,060	194,345	211,284	203,362	162,638	138,978	115,599	107,832	117,950	124,395	118,996	110,739	94,408	75,601	60,321	44,263	27,900	18,714
M	1,023,952	83,836	99,274	107,664	100,952	75,549	68,827	57,764	52,738	57,790	60,407	58,563	54,576	45,809	35,886	26,956	18,946	11,249	7,166
F	1,067,433	80,224	95,071	103,620	102,410	87,089	70,151	57,835	55,094	60,160	63,988	60,433	56,163	48,599	39,715	33,365	25,317	16,651	11,548
1975	2,292,734	166,930	176,125	211,149	224,538	222,013	180,346	152,553	122,891	114,611	120,938	125,783	117,631	106,710	86,844	66,077	48,381	31,022	18,194
M	1,120,178	85,331	89,859	107,668	114,204	108,866	84,271	76,482	61,305	55,959	58,944	60,547	56,993	51,149	40,571	29,622	19,879	11,966	6,562
F	1,172,556	81,599	86,266	103,481	110,334	113,146	96,075	76,071	61,586	58,652	61,994	65,236	60,638	55,561	46,273	36,455	28,502	19,056	11,632
1978	2,472,000	191,405	179,233	206,478	231,143	241,353	217,906	182,004	145,922	124,002	120,688	126,506	123,112	112,545	94,626	71,986	51,100	32,763	19,227
M	1,207,195	97,767	91,305	105,112	117,886	120,554	103,730	88,303	72,747	61,020	58,722	60,815	58,979	53,507	44,054	32,229	21,178	12,437	6,848
F	1,264,805	93,638	87,928	101,366	113,257	120,799	114,176	93,701	73,175	62,982	61,966	65,691	64,133	59,038	50,572	39,757	29,922	20,326	12,399
1979	2,544,000	204,020	181,640	202,110	231,490	247,390	233,900	192,190	155,310	129,100	121,090	126,300	125,540	114,600	97,810	74,920	52,920	33,700	19,970
M	1,241,920	104,170	92,600	102,900	117,910	124,010	113,070	92,090	77,590	63,850	58,890	60,800	59,910	54,180	45,280	33,200	21,880	12,590	7,000
F	1,302,080	99,850	89,040	99,210	113,580	123,380	120,830	100,100	77,720	65,250	62,200	65,500	65,630	60,420	52,530	41,720	31,040	21,110	12,970
1980	2,632,663	197,951	189,293	202,546	225,814	237,788	253,472	227,565	170,694	133,101	119,249	124,344	129,886	117,676	105,165	79,367	55,327	34,994	28,431
M	1,296,355	101,815	96,965	103,594	114,690	117,800	126,867	115,071	86,047	67,073	58,948	60,356	62,001	56,031	49,287	35,404	22,747	12,802	8,857
F	1,336,308	96,136	92,328	98,952	111,124	119,988	126,605	112,494	84,647	66,028	60,301	63,988	67,885	61,645	55,878	43,963	32,580	22,192	19,574
1981	2,660,435	203,594	184,616	203,543	217,750	234,053	252,725	241,926	179,636	140,523	118,937	122,571	128,335	119,708	107,390	83,548	56,478	36,576	28,526
M	1,310,480	104,334	94,477	104,341	111,275	115,874	126,043	122,079	90,690	70,811	59,188	59,493	61,398	56,675	50,396	37,441	23,405	13,444	9,116
F	1,349,955	99,260	90,139	99,202	106,475	118,179	126,682	119,847	88,946	69,712	59,749	63,078	66,937	63,033	56,994	46,107	33,073	23,132	19,410
1982	2,656,185	205,442	184,989	200,663	214,621	225,266	245,516	240,579	191,815	145,302	119,328	118,393	124,286	121,205	108,828	87,242	122,710	2/	
M	1,308,018	104,536	94,896	102,787	110,004	112,537	121,444	121,229	96,778	73,205	59,541	57,526	59,397	57,238	50,920	39,287	46,693	2/	
F	1,348,167	100,906	90,093	97,876	104,617	112,729	124,072	119,350	95,037	72,097	59,787	60,867	64,889	63,967	57,908	47,955	76,017	2/	
1983	2,634,993	200,502	185,101	195,306	208,383	221,102	233,950	236,452	197,788	150,869	119,798	113,707	119,496	121,107	110,442	90,061	130,929	2/	
M	1,292,711	102,231	95,121	99,869	106,267	110,629	115,627	118,621	99,538	75,798	59,704	55,279	57,032	56,925	51,386	40,321	48,363	2/	
F	1,342,282	98,271	89,980	95,437	102,116	110,473	118,323	117,831	98,250	75,071	60,094	58,428	62,464	64,182	59,056	49,740	82,566	2/	
1984	2,660,000	201,561	189,002	189,940	203,518	224,882	227,497	240,883	208,395	159,323	124,516	113,420	118,076	118,774	111,029	93,393	135,791	2/	
M	1,307,023	102,591	97,255	97,250	103,737	113,484	112,302	120,975	105,194	80,218	62,374	55,513	56,574	55,671	51,445	41,826	50,614	2/	
F	1,352,977	98,970	91,747	92,690	99,781	111,398	115,195	119,908	103,201	79,105	62,142	57,907	61,502	63,103	59,584	51,567	85,177	2/	
1985	2,675,800	198,995	195,271	184,845	197,808	215,641	227,827	243,741	222,457	165,140	128,521	112,530	115,551	118,327	113,657	93,372	142,117	2/	
M	1,313,949	101,338	100,344	94,619	101,111	109,413	112,518	121,577	112,168	83,090	64,509	55,332	55,429	55,393	52,316	41,694	53,098	2/	
F	1,361,851	97,657	94,927	90,226	96,697	106,228	115,309	122,164	110,289	82,050	64,012	57,198	60,122	62,934	61,341	51,678	89,019	2/	
1986	2,659,500	192,981	198,234	178,510	201,362	218,875	215,376	230,757	226,179	170,171	132,244	110,782	112,555	115,440	113,886	94,884	147,262	2/	
M	1,306,352	99,387	101,905	91,311	103,035	111,407	106,184	114,740	113,865	85,721	66,366	54,767	53,979	54,110	52,262	42,354	54,957	2/	
F	1,353,148	93,594	96,329	87,199	98,327	107,468	109,192	116,017	112,314	84,450	65,878	56,015	58,576	61,330	61,624	52,530	92,305	2/	

1/ Includes ages 75-84.
2/ Includes ages 75 and over.
1950, 1960, 1970, 1980 are U.S. Census. All others are estimates provided by Center for Population Research and Census, Portland State University.

TABLE 78. PRELIMINARY ESTIMATES OF 5 YEAR AGE GROUPS BY SEX, OREGON AND ITS COUNTIES, JULY 1, 1986.

	TOTAL 0_4	TOTAL 5_9	TOTAL 10_14	TOTAL 15_19	TOTAL 15_17	TOTAL 18_19	TOTAL 20_24	TOTAL 25_29	TOTAL 30_34	TOTAL 35_39	TOTAL 40_44	TOTAL 45_49	TOTAL 50_54	TOTAL 55_59	TOTAL 60_64	TOTAL 65_69	TOTAL 70_74	TOTAL 75+	TOTAL TOTAL
BAKER	1042	1140	1042	1206	746	460	1301	923	1069	1088	877	802	733	721	746	799	749	1262	15500
BENTON	4278	4349	3983	7671	2619	5052	11317	6269	4352	4771	3726	2804	2237	2167	2086	2023	1527	2540	66100
CLACKAMAS	17860	18747	19015	22110	13968	8142	21151	15880	18406	21583	18759	14601	11404	10957	10577	9069	7138	10943	248200
CLATSOP	2324	2440	2076	2182	1360	822	2727	2762	2841	2614	1875	1556	1310	1403	1509	1524	1436	2321	32900
COLUMBIA	2477	3071	2877	3280	2095	1185	3072	2267	2659	2985	2393	1913	1561	1545	1540	1392	1227	1841	36100
COOS	3644	4397	4019	4371	2720	1651	4550	4078	4442	4334	3338	2991	2581	2725	2640	3107	2613	3670	57500
CROOK	964	1059	963	1042	633	409	1067	908	958	1033	802	723	624	618	629	751	610	749	13500
CURRY	913	1100	898	1108	629	479	1316	997	1193	1120	951	818	768	870	1007	1382	1159	1300	16900
DESCHUTES	4963	5085	4670	5129	3212	1917	4883	4662	5768	5877	4239	3424	2647	2476	2587	3525	2594	2871	65400
DOUGLAS	6277	7478	6909	7384	4486	2898	7891	6601	7150	7085	5628	4708	4213	4347	4229	4467	3564	4769	92700
GILLIAM	120	132	100	124	67	57	153	115	136	125	90	89	94	104	107	88	88	135	1800
GRANT	619	648	612	630	391	239	696	522	648	641	489	470	423	395	377	384	321	475	8350
HARNEY	485	592	602	586	381	205	556	484	565	522	439	392	340	322	304	276	242	393	7100
HOOD RIVE	1382	1229	1118	1193	732	461	1242	1192	1328	1291	981	773	736	767	737	683	611	937	16200
JACKSON	9825	10087	9520	10558	6629	3929	11047	10546	11053	11217	8868	6982	5936	5926	6115	7022	5719	7979	138400
JEFFERSON	1305	1022	986	1020	616	404	1054	842	858	820	649	585	535	482	482	459	437	464	12000
JOSEPHINE	3809	4235	4070	4568	2745	1823	4983	3710	4167	4749	3915	3128	2687	2780	3179	3994	3262	4214	61450
KLAMATH	4020	4275	4114	4508	2821	1687	4766	4453	4485	4509	3387	2916	2521	2607	2569	2529	2102	2939	56700
LAKE	511	605	555	570	350	220	583	445	587	533	394	418	361	396	361	305	289	387	7300
LANE	17941	19566	17566	21071	11856	9215	25661	26217	20144	21585	16694	12343	10029	9918	10115	11374	8694	12732	261650
LINCOLN	2323	2480	2069	2240	1348	892	2694	2485	3159	2966	2167	1725	1616	1810	2216	2155	2035	2760	36900
LINN	6069	6734	6449	6966	4329	2637	7132	6378	7066	6779	5236	4315	3470	3581	3685	4068	3284	4838	86050
MALHEUR	2337	2437	2136	2113	1300	813	2190	1817	1784	1640	1340	1115	1030	1186	1135	1275	1042	1623	26200
MARION	16318	16551	14332	15130	9369	5761	16628	17183	18229	16739	12519	9910	8429	8227	8435	9943	7750	12877	209200
MORROW	696	678	625	652	412	240	682	521	638	596	439	424	357	370	321	243	238	320	7800
MULTNOMAH	40417	38257	31205	34192	20551	13641	38950	52527	61543	54138	35070	25488	22412	24428	26783	22776	20641	37373	566200
POLK	3212	3496	3102	3575	2210	1365	3742	4020	3747	3623	2816	2253	1911	1961	1891	1801	1589	2861	45600
SHERMAN	143	152	148	164	88	76	178	119	169	157	106	95	87	129	133	100	102	118	2100
TILLAMOOK	1379	1534	1297	1433	880	553	1626	1375	1674	1668	1184	1015	874	1105	1205	1206	1171	1554	21300
UMATILLA	4691	5192	4378	4504	2790	1714	4568	4517	4894	4480	3343	2778	2486	2566	2583	2417	2065	3238	58700
UNION	1736	1899	1819	1851	1156	695	1803	1960	1810	1759	1338	1092	923	894	825	1021	874	1396	23000
WALLOWA	546	564	479	508	311	199	585	403	578	506	404	366	337	381	360	336	315	530	7200
WASCO	1389	1634	1559	1643	1017	626	1755	1389	1701	1708	1319	1101	931	1000	1090	990	922	1469	21600
WASHINGTO	22149	20204	18842	21453	13055	8398	21578	21948	26482	26738	20868	15448	11798	11084	10568	7915	6330	9895	273300
WHEELER	82	94	101	110	73	37	150	78	84	98	90	86	73	101	73	81	82	117	1500
YAMHILL	4735	5071	4274	4517	2830	1687	4598	4783	4390	4102	3438	2597	2308	2206	2241	2406	2062	3372	57100
STATE	192981	198234	178510	201362	120775	80589	218875	215376	230757	226179	170171	132244	110782	112555	115440	113886	94884	147262	2659500

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TABLE 78. Continued, 1986

	MALE 0_4	MALE 5_9	MALE 10_14	MALE 15_19	MALE 15_17	MALE 18_19	MALE 20_24	MALE 25_29	MALE 30_34	MALE 35_39	MALE 40_44	MALE 45_49	MALE 50_54	MALE 55_59	MALE 60_64	MALE 65_69	MALE 70_74	MALE 75+	MALE TOTAL
BAKER	537	609	540	651	394	257	678	477	559	527	427	400	361	363	345	377	342	513	7706
BENTON	2203	2250	2015	3866	1320	2546	5717	3610	2398	2536	1863	1408	1109	1039	985	940	701	879	33519
CLACKAMAS	9198	9590	9713	11276	7155	4121	10885	8081	8877	10380	9288	7404	5706	5358	5077	4246	3213	3972	122264
CLATSOP	1197	1277	1069	1075	667	408	1373	1403	1445	1404	935	790	655	669	701	687	628	897	16205
COLUMBIA	1276	1513	1435	1666	1067	599	1569	1114	1312	1507	1211	977	802	744	742	680	568	760	17876
COOS	1877	2247	2081	2271	1416	855	2373	1982	2183	2159	1663	1507	1269	1327	1271	1497	1193	1500	28400
CROOK	496	542	473	532	312	220	554	434	472	492	411	370	315	303	287	340	300	312	6633
CURRY	470	546	459	575	330	245	660	500	620	554	456	416	358	434	474	617	553	592	8284
DESCHUTES	2556	2593	2385	2628	1635	993	2522	2240	2816	3035	2120	1760	1343	1188	1204	1606	1253	1216	32465
DOUGLAS	3233	3881	3516	3765	2298	1467	4134	3276	3517	3512	2780	2328	2055	2133	2060	2161	1680	1986	46017
GILLIAM	62	70	51	54	34	20	80	58	73	66	40	45	47	45	56	42	48	58	895
GRANT	319	321	312	317	195	122	376	238	331	335	263	222	224	192	188	178	161	202	4179
HARNEY	250	323	312	296	198	98	291	246	284	267	229	206	181	156	163	129	133	162	3628
HOOD RIVE	712	595	590	613	380	233	662	637	708	674	515	393	370	364	361	323	285	385	8187
JACKSON	5060	5082	4844	5440	3413	2027	5722	5201	5386	5711	4394	3523	2976	2875	2916	3328	2682	3190	68330
JEFFERSON	672	519	526	523	305	218	551	440	435	406	317	291	265	236	237	222	214	208	6062
JOSEPHINE	1961	2186	2137	2383	1463	920	2511	1765	1973	2330	1920	1535	1329	1304	1448	1868	1458	1708	29816
KLAMATH	2070	2266	2138	2301	1470	831	2454	2362	2239	2283	1725	1462	1238	1282	1236	1250	971	1236	28513
LAKE	263	315	272	290	165	125	299	218	303	280	202	213	173	194	186	156	160	155	3679
LANE	9239	10083	9046	10800	6095	4705	12929	12814	9986	11000	8424	6235	4909	4767	4740	5146	3937	4842	128897
LINCOLN	1196	1262	1050	1117	671	446	1425	1229	1527	1517	1110	860	788	855	992	986	911	1171	17996
LINN	3126	3450	3289	3607	2252	1355	3635	3099	3475	3408	2622	2141	1735	1709	1736	1852	1490	1927	42301
MALHEUR	1204	1266	1088	1090	663	427	1094	941	874	815	638	553	489	560	520	625	511	663	12931
MARION	8404	8502	7290	7786	4819	2967	8604	8748	9332	8492	6328	4960	4167	3849	3866	4513	3267	4716	102824
MORROW	359	359	329	330	211	119	370	276	321	303	222	217	177	192	161	113	120	141	3990
MULTNOMAH	20815	19749	15922	17426	10474	6952	19415	25120	30767	27743	18040	12643	10958	11552	12330	10037	8674	12317	273508
POLK	1654	1794	1645	1875	1159	716	1840	1846	1806	1789	1394	1127	935	946	861	848	701	1049	22110
SHERMAN	74	66	85	78	41	37	87	68	91	80	54	46	44	63	66	49	50	49	1050
TILLAMOOK	710	765	681	735	455	280	842	688	827	876	607	505	411	534	585	541	535	667	10509
UMATILLA	2416	2687	2165	2234	1360	874	2299	2235	2495	2294	1693	1417	1198	1253	1207	1162	952	1260	28967
UNION	894	1017	935	959	599	360	928	942	914	871	666	552	444	445	410	444	423	554	11398
WALLOWA	281	309	237	246	143	105	319	205	298	264	197	194	166	180	160	165	141	227	3591
WASCO	715	880	823	835	533	302	906	637	864	839	651	578	447	455	522	460	421	580	10613
WASHINGTO	11407	10371	9611	11061	6716	4345	10881	10648	13029	13052	10544	7716	5946	5320	4952	3548	2717	3525	134328
WHEELER	42	41	53	53	36	17	81	45	40	47	46	37	36	51	36	42	41	56	747
YAMHILL	2439	2579	2194	2281	1442	839	2341	2361	2163	2017	1726	1335	1141	1042	1029	1084	920	1282	27934
STATE	99387	101905	91311	103035	61886	41151	111407	106184	114740	113865	85721	66366	54767	53979	54110	52262	42354	54957	1306352

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TABLE 78. Continued, 1986

	FEMALE 0_4	FEMALE 5_9	FEMALE 10_14	FEMALE 15_19	FEMALE 15_17	FEMALE 18_19	FEMALE 20_24	FEMALE 25_29	FEMALE 30_34	FEMALE 35_39	FEMALE 40_44	FEMALE 45_49	FEMALE 50_54	FEMALE 55_59	FEMALE 60_64	FEMALE 65_69	FEMALE 70_74	FEMALE 75+	FEMALE TOTAL
BAKER	505	531	502	555	352	203	623	446	510	561	450	402	372	358	401	422	407	749	7794
BENTON	2075	2099	1968	3805	1299	2506	5600	2659	1954	2235	1863	1396	1128	1128	1101	1083	826	1661	32581
CLACKAMAS	8662	9157	9302	10834	6813	4021	10266	7799	9529	11203	9471	7197	5698	5599	5500	4823	3925	6971	125936
CLATSOP	1127	1163	1007	1107	693	414	1354	1359	1396	1210	940	766	655	734	808	837	808	1424	16695
COLUMBIA	1201	1558	1442	1614	1028	586	1503	1153	1347	1478	1182	936	759	801	798	712	659	1081	18224
COOS	1767	2150	1938	2100	1304	796	2177	2096	2259	2175	1675	1484	1312	1398	1369	1610	1420	2170	29100
CROOK	468	517	490	510	321	189	513	474	486	541	391	353	309	315	342	411	310	437	6867
CURRY	443	554	439	533	299	234	656	497	573	566	495	402	410	436	533	765	606	708	8616
DESCHUTES	2407	2492	2285	2501	1577	924	2361	2422	2952	2842	2119	1664	1304	1288	1383	1919	1341	1655	32935
DOUGLAS	3044	3597	3393	3619	2188	1431	3757	3325	3633	3573	2848	2380	2158	2214	2169	2306	1884	2783	46683
GILLIAM	58	62	49	70	33	37	73	57	63	59	50	44	47	59	51	46	40	77	905
GRANT	300	327	300	313	196	117	320	284	317	306	226	248	199	203	189	206	160	273	4171
HARNEY	235	269	290	290	183	107	265	238	281	255	210	186	159	166	141	147	109	231	3472
HOOD RIVE	670	634	528	580	352	228	580	555	620	617	466	380	366	403	376	360	326	552	8013
JACKSON	4765	5005	4676	5118	3216	1902	5325	5345	5667	5506	4474	3459	2960	3051	3199	3694	3037	4789	70070
JEFFERSON	633	503	460	497	311	186	503	402	423	414	332	294	270	246	245	237	223	256	5938
JOSEPHINE	1848	2049	1933	2185	1282	903	2472	1945	2194	2419	1995	1593	1358	1476	1731	2126	1804	2506	31634
KLAMATH	1950	2009	1976	2207	1351	856	2312	2091	2246	2226	1662	1454	1283	1325	1333	1279	1131	1703	28187
LAKE	248	290	283	280	185	95	284	227	284	253	192	205	188	202	175	149	129	232	3621
LANE	8702	9483	8520	10271	5761	4510	12732	13403	10158	10585	8270	6108	5120	5151	5375	6228	4757	7890	132753
LINCOLN	1127	1218	1019	1123	677	446	1269	1256	1632	1449	1057	865	828	955	1224	1169	1124	1589	18904
LINN	2943	3284	3160	3359	2077	1282	3497	3279	3591	3371	2614	2174	1735	1872	1949	2216	1794	2911	43749
MALHEUR	1133	1171	1048	1023	637	386	1096	876	910	825	702	562	541	626	615	650	531	960	13269
MARION	7914	8049	7042	7344	4550	2794	8024	8435	8897	8247	6191	4950	4262	4378	4569	5430	4483	8161	106376
MORROW	337	319	296	322	201	121	312	245	317	293	217	207	180	178	160	130	118	179	3810
MULTNOMAH	19602	18508	15283	16766	10077	6689	19535	27407	30776	26395	17030	12845	11454	12876	14453	12739	11967	25056	292692
POLK	1558	1702	1457	1700	1051	649	1902	2174	1941	1834	1422	1126	976	1015	1030	953	888	1812	23490
SHERMAN	69	86	63	86	47	39	91	51	78	77	52	49	43	66	67	51	52	69	1050
TILLAMOOK	669	769	616	698	425	273	784	687	847	792	577	510	463	571	620	665	636	887	10791
UMATILLA	2275	2505	2213	2270	1430	840	2269	2282	2399	2186	1650	1361	1288	1313	1376	1255	1113	1978	29733
UNION	842	882	884	892	557	335	875	1018	896	888	672	540	479	449	415	577	451	842	11602
WALLOWA	265	255	242	262	168	94	266	198	280	242	207	172	171	201	200	171	174	303	3609
WASCO	674	754	736	808	484	324	849	752	837	869	668	523	484	545	568	530	501	889	10987
WASHINGTO	10742	9833	9231	10392	6339	4053	10697	11300	13453	13686	10324	7732	5852	5764	5616	4367	3613	6370	138972
WHEELER	40	53	48	57	37	20	69	33	44	51	44	49	37	50	37	39	41	61	753
YAMHILL	2296	2492	2080	2236	1388	848	2257	2422	2227	2085	1712	1262	1167	1164	1212	1322	1142	2090	29166
STATE	93594	96329	87199	98327	58889	39438	107468	109192	116017	112314	84450	65878	56015	58576	61330	61624	52530	92305	1353148

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TECHNICAL NOTES

DEFINITIONS

BIRTHS

CRUDE BIRTH RATE is the number of live births per 1,000 total population.

LIVE BIRTH is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such a separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached; each product of such a birth is considered live born./1

LOW BIRTH WEIGHT INFANT is a live born infant with a birth weight less than 5 1/2 (2,500 grams) as reported on the birth certificate.

BIRTHS TO UNWED MOTHERS RATIO is the number of births to unwed mothers per 1,000 live births.

DEATHS

CRUDE DEATH RATE is the number of deaths per 1,000 total population.

FETAL DEATH is death prior to the complete expulsion or extraction from its mother of a product of conception of at least 20 weeks gestation, except where such expulsion results from a therapeutic abortion; the death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

PERINATAL DEATH is the death of a fetus after 20 weeks gestation or the death of a live-born infant prior to the 28th day of life. Other medical literature may include different time periods.

PERINATAL DEATH RATE is the number of perinatal deaths per 1,000 total of fetal deaths plus live births.

NEONATAL DEATH is the death of a child within the first 27 days of life.

NEONATAL DEATH RATE is the number of neonatal deaths per 1,000 live births.

INFANT DEATH is the death of a child prior to the first birthday.

INFANT DEATH RATE is the number of infant deaths per 1,000 live births.

MATERNAL DEATH RATE is the number of female deaths attributed to childbirth or to complications of pregnancy or the puerperium per 100,000 live births.

MEDICAL PERSONNEL

C.N.M. denotes Certified Nurse Midwife.

D.C. denotes Doctor of Chiropractic Medicine. Chiropractic being a system of therapeutics based upon the claim that disease is caused by abnormal function of the nerve system. It attempts to restore normal function of the nerve system by manipulation and treatment of the structures of the human body, especially those of the spinal column./2

D.O. denotes Doctor of Osteopathic Medicine. Osteopathy being a system of therapy founded by Andrew Taylor Still (1828-1917) and based on the theory that the body is capable of making its own remedies against disease and other toxic conditions when it is in normal structural relationship and has favorable environmental conditions and adequate nutrition. It utilizes generally accepted physical, medicinal, and surgical methods of diagnosis and therapy, while placing chief emphasis on the importance of normal body mechanics and manipulative methods of detecting and correcting faulty structure./2

M.D. denotes Medical Doctor.

N.D. denotes Naturopathic Doctor. Naturopathy being a system of therapy without using drugs and utilizing physical forces such as air, light, water, heat, massage, etc./2

R.N. denotes Registered Nurse.

1/ Vital Statistics of the United States, 1982, vol. 1, section 4, page 1. U.S. Deparment of Health and Human Services, Public Health Service, National Center for Health Statistics, Maryland, 1986.

2/ Definition from Dorland's Illustrated Medical Dictionary. W.B. Saunders Co. Philadelphia. 1965.

STEP-BY-STEP INSTRUCTIONS

Data users are diverse, including public-health officials evaluating a program by using death data, demographers projecting school enrollments with birth data, and business people deciding to open a formal-wear shop based on marriage data. Many of these users have a thorough knowledge of statistics. But others find the entire subject-matter confusing and intimidating. For either group, a misunderstanding of what vital statistics mean can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful.

STEP 1: FINDING THE CORRECT NUMBER

The first step is to determine how many of a particular vital event took place during the year. This involves asking two questions:

Which event or events are appropriate?

- DEATHS
- INFANT DEATHS
- NEONATAL DEATHS
- POST-NEONATAL DEATHS
- FETAL DEATHS
- LOW BIRTH WEIGHT INFANTS
- PREGNANCIES
- INDUCED ABORTIONS
- MARRIAGES
- ANNULMENTS
- DIVORCES

This may not be as simple as it sounds. For one thing, examining more than one type of event may be required. For example, a researcher who is concerned with teenage pregnancies will have to consider abortions and fetal deaths, not simply the number of births.

Deciding which events to use is important since sometimes the choice of one event over another can lead to vastly different conclusions. Consider the researcher who asks, "Have we substantially reduced the likelihood of death for babies?" If the researcher looks at neonatal deaths (babies who die before they are 28 days old), the answer is yes, while for post-neonatal deaths (those between 28 days and one year), the answer is no.

To determine which events are appropriate, read the definitions section of "How to Use Vital Statistics." The narratives also contain useful examples.

Who should be counted?

If you are a hospital planner who is deciding to expand or contract delivery services, you want to count the number of births which occurred in your area, regardless of where the parents live. If you are projecting school enrollment, you want to count only how many children will potentially be residing in your area. Fortunately, vital events are usually reported so that both of these data needs can be met.

OCCURRENCE DATA	The event (the death, birth, marriage, etc.) actually took place in the geographic region indicated (either Oregon or a particular county). The person participating in the event may have lived in Podunk, New York.
RESIDENCE DATA	The person involved in the event lived in the geographic region mentioned, but the event itself may have taken place anywhere in the United States or Canada. In other words, a resident of Marion county who died in an accident while on vacation in Michigan has been added to the Marion county resident death figure.

When in doubt about which type of data to use, resident figures are usually the best choice. Most birth and death data are published by residence, which means that comparisons with other states or the United States as a whole will be easier. Exceptions to this rule are listed in the individual sections.

Once the right event has been determined, and the choice between occurrence and residence data has been made, the statistician can find the correct figures in the table(s) in this book. If the needed table is not listed, contact the Center for Health Statistics for more information.

STEP 2: MAKING THE NUMBER MEANINGFUL WITH RATES AND RATIOS

In many instances simply knowing the number of events is not sufficient. A. Bradford Hill expressed this important statistical concept:

"It is well recognized that white sheep eat more than black sheep -- because there are more of them."

For example, we know more people died in Multnomah County than in Wheeler County, because Multnomah County has a much larger population. But what is the likelihood of dying in each county?

In order to answer this question, statisticians calculate rates. This means that the number of events which occurred is compared to the population for which that event could have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

$$\text{CRUDE DEATH RATE} = \frac{\text{DEATHS}}{\text{POPULATION}} \times 1{,}000$$

the number of people who could have died

a number picked by vital statisticians to eliminate decimal points

The more specifically a statistician can define the "population at risk" (the denominator or bottom part of the formula), the more meaningful the rate is. For example, the crude birth rate, which compares the number of births to the population, is not nearly as informative as the fertility rate, which uses only the number of women of childbearing age (15-44) for comparative purposes. The fertility rate is not distorted by changes in the number of men or pre-pubescent or post-menopausal women in the population. (The turn of the century notion that only married women between the age of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.)

Unfortunately we do not always have the correct denominator for the equation. In these situations a substitute is used. For example, how many people are at risk of getting divorced? The number of married people is only available for census years. As a substitute, the crude divorce rate is calculated using the total population regardless of marital status. In other situations, the event is simply compared to another related number. For instance, the abortion ratio compares the number of abortions to the number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.

When calculating rates and ratios, great care must be taken to make certain that the appropriate time periods, geographical boundaries, and populations are used.

STEP 3: COMPARING TWO OR MORE NUMBERS

Numbers are more meaningful when they are converted into rates and ratios. But problems can arise when rates or ratios are compared for different geographical areas, different time periods, or different categories such as men versus women.

Chance variation

Statisticians expect a certain amount of chance variation and have methods to take this into account. The confidence interval uses the number of cases and their distributions to determine what the rate "really is." For example, a statistician will say, "We are 95% sure that the true infant death rate for Oregon in 1986 was 9.47 ± 0.97, that is, it lies somewhere between 8.50 and 10.44." If two rates have overlapping confidence intervals, then the difference between them may be due to this chance variation. In other words the difference is not statistically significant. Thus Multnomah County's infant death rate, 8.81 ± 1.97, is shown not to be statistically different from the state rate:

```
                      --------                8.81 ± 1.97
MULTNOMAH                *
              .1.........6...8.8...11..............20

                          -----               9.47 ± 0.97
   STATE                   *
              .1............8..9.5................20
```

When comparing rates and ratios, differences should be tested for statistical significance. Formulas are listed in the appendix.

Small numbers

Chance variation is a common problem when the numbers being used to calculate rates are extremely small. Large swings often occur in the rates which do not reflect real changes. Consider Wasco county's infant mortality rates for a five year period.

WASCO COUNTY

YEAR	BIRTHS	INFANT DEATHS	INFANT DEATH RATES
1981	308	0	-
1982	345	3	8.7
1983	341	4	11.7
1984	350	5	14.3
1985	291	2	6.9
1981-1985	1,635	14	8.6

The overall rate of 9.3 is quite close to the state rate for the same time period (10.6). Yet for some years the rate is half again or more as high as the rate of other years simply because two additional infants died. Public health officials would waste a good deal of energy reacting to these annual rates.

Many rates based on small numbers are published in this book because readers demand them. But anyone preparing to make important decisions based on these rates should be wary. Consider this rule of thumb: a rate based on 20 cases has a 95% confidence interval about as wide as itself (the interval for a rate of 50 is between 25 and 75). Even large differences between two rates based on 20 cases or less are probably not statistically significant.

If 20 is too few, how many cases are sufficient to say that a true difference exists? Unfortunately we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas. Confidence intervals should be calculated, and differences should be tested for statistical significance.

Changes in measurement

Another problem is that the numbers being compared have not always been based on the same type of measurement. Definitions, population estimates, certificates, and coding procedures change from time to time as the need arises. This can create "artificial" differences and can disguise "real" differences. The cause-of-death item provides an excellent example of changes in comparability:

During the late 1970's approximately 80 to 85 people died each year due to hypertensive disease.	RATE = 3.3 PER 100,000 POPULATION
In 1979, 250 people died from this cause.	RATE = 9.8 PER 100,000 POPULATION

It appears that the incidence of hypertensive disease increased. But actually, a new coding scheme resulted in more deaths being coded as due to hypertensive disease.

Taking age, sex, and race into account

Mr. G. C. Whipple noted in 1923 that, "We might find that the death rate of bank presidents was higher than that of newsboys; but this would not be because of different occupations, but because of different ages." We expect older people to die at a higher rate than younger people. We also expect people in their twenties to have more babies than the very young or the very old. Sex and race, as well as age, affect rates drastically.

When comparing two places or two points in time, it is necessary to take these influencing characteristics into account. Here is an example:

> The crude death rate increased between 1950 and 1960 from 9.1 to 9.5 deaths per thousand. But an examination of the death rates for each age group indicates that these all decreased. This contradiction is explained by the fact that in 1960 a larger proportion of the population was concentrated in the older age groups where death rates are higher .

	1950	1960
CRUDE DEATH RATE	9.1	9.5
AGE SPECIFIC DEATH RATES		
0 - 4	5.9	5.7
5 - 14	0.6	0.4
15 - 24	1.5	1.1
25 - 44	2.4	2.1
45 - 64	11.1	10.6
65+	58.4	56.8

Before comparing two places or two time periods, always compare the population characteristics first. If discrepancies are noted in any relevant variables, then the rates should be adjusted or standardized in order to make the comparisons free of differences in the structure of the populations. The formulas for doing this are listed in the appendix.

STEP 4: ANALYZING THE DATA

The first three steps have been fairly mechanical:

(1) Choose the correct events and the correct group to determine the number of events which took place for the geographical areas and time periods.

(2) Calculate the rates.

(3) Compare these rates to determine if the differences are statistically significant.

NOW the vital statistician must begin to ask the difficult questions. If we find that two rates are statistically significantly different, how can we find out *why* they are different? If the differences which we expected did not prove to be significant, is there another item which perhaps is masking an actual difference? Frequently the statistician has to refine the research question and begin all over again.

HELP

Several sources of help are available. Many of the widely used rates and ratios are presented in the Quick Reference section, and narratives and figures are included throughout the book to illustrate changes. And finally, the staff of the Center for Health Statistics are available for data users who need assistance.

FORMULAS

GENERAL

$$\text{PERCENT CHANGE} = \frac{\text{Old Data} - \text{New Data}}{\text{Old Data}} \times 100$$

Birth rate, Oregon, 1984 = 14.9
Birth rate, Oregon, 1985 = 14.7

$$\text{Percent change} = \frac{14.9 - 14.7}{14.9} \times 100 = -1.3\%$$

PREGNANCY

---

1. $$\text{(CRUDE) BIRTH RATE} = \frac{\text{Resident Births}}{\text{Population}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{39{,}419}{2{,}675{,}800} \times 1{,}000 = 14.7$$

---

2. $$\text{AGE SPECIFIC BIRTH RATE} = \frac{\text{Resident Births to Mothers in Age Category}}{\text{Female population in Age Category}} \times 1{,}000$$

$$\text{Oregon, 1985, Age 20-24} = \frac{11{,}815}{106{,}737} \times 1{,}000 = 110.7$$

---

3. $$\text{FERTILITY RATE} = \frac{\text{Resident Births to Mothers Aged 15-44}}{\text{Female population Aged 15-44}} \times 1{,}000$$

Note: Some publications use the following: $\frac{\text{All resident births}}{\text{Female population Aged 15-44}}$

$$\text{Oregon, 1985} = \frac{39{,}364}{632{,}737} \times 1{,}000 = 62.21$$

---

4. TOTAL FERTILITY RATE = Age-specific Birth Rates in 5 year Categories between 15 and 44

$$\text{Oregon, 1985} = 5\,(42.8 + 111.2 + 110.8 + 65.6 + 21.2 + 3.4) = 1{,}775.0$$

5. FETAL DEATH RATE

$$\text{FETAL DEATH RATE} = \frac{\text{Resident Fetal Deaths of 20 or More Weeks Gestation}}{\text{Resident Births}} \times 1{,}000$$

Note: Publications vary in the gestation cutoff for fetal deaths. The following formula is sometimes used.

$$\frac{\text{Resident Fetal Deaths}}{\text{Resident Births} + \text{Resident Fetal Deaths}} \times 1{,}000$$

$$\text{Oregon, 1985, Residents} = \frac{237}{39{,}419} \times 1{,}000 = 6.0$$

---

6. ABORTION RATIO

$$\text{ABORTION RATIO} = \frac{\text{Resident Abortions}}{\text{Resident Births}} \times 1{,}000 \quad \text{OR} \quad \frac{\text{Occurrence Abortions}}{\text{Occurrence Births}} \times 1{,}000$$

$$\text{Oregon, 1985, Occurrence} = \frac{12{,}056}{40{,}778} \times 1{,}000 = 295.6$$

---

7. ABORTION RATE

$$\text{ABORTION RATE} = \frac{\text{Resident Abortions or Occurrence Abortions}}{\text{Female Resident Population Aged 15-44}} \times 1{,}000$$

Oregon, 1985, Occurrence with total adjusted for not stated ages.

$$= \frac{11{,}933}{632{,}737} \times 1{,}000 = 18.9$$

DEATHS

---

8. (CRUDE) DEATH RATE

$$\text{(CRUDE) DEATH RATE} = \frac{\text{Resident Deaths}}{\text{Population}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{23{,}824}{2{,}675{,}800} \times 1{,}000 = 8.9$$

---

9. INFANT DEATH RATE

$$\text{INFANT DEATH RATE} = \frac{\text{Resident Infant Deaths}}{\text{Resident Births}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{387}{39{,}419} \times 1{,}000 = 9.8$$

---

10. NEONATAL DEATH RATE

$$\text{NEONATAL DEATH RATE} = \frac{\text{Resident Neonatal Deaths}}{\text{Resident Births}} \times 1{,}000$$

$$\text{Oregon, 1985} = \frac{211}{39{,}419} \times 1{,}000 = 5.4$$

11. POST-NEONATAL DEATH RATE $= \frac{\text{Resident Post-Neonatal Deaths}}{\text{Resident Births}} \times 1{,}000$

Oregon, 1985 $= \frac{176}{39{,}419} \times 1{,}000 = 4.5$

---

12. CAUSE-SPECIFIC DEATH RATE $= \frac{\text{Resident Deaths Due to Specific Cause}}{\text{Population}} \times 100{,}000$

Oregon, 1985, Heart Disease $= \frac{8{,}192}{2{,}675{,}800} \times 100{,}000 = 306.2$

---

13. AGE-SEX SPECIFIC DEATH RATE $= \frac{\text{Resident Deaths in Age-Sex Category}}{\text{Population in Age-Sex Category}} \times 100{,}000$

Oregon, 1985, Males Aged 5-14 $= \frac{54}{194{,}963} \times 100{,}000 = 27.7$

MARRIAGE AND DIVORCE

---

14. MARRIAGE RATE $= \frac{\text{Marriages}}{\text{Population}} \times 1{,}000$

Oregon, 1985 $= \frac{22{,}408}{2{,}675{,}800} \times 1{,}000 = 8.4$

---

15. AGE-SPECIFIC MARRIAGE RATE $= \frac{\text{Marriages of Grooms in Specific Age Group}}{\text{Population of Males in Specific Age Group}} \times 1{,}000$

Oregon, 1985, Grooms Aged 20-24 $= \frac{6{,}493}{106{,}228} \times 1{,}000 = 61.1$

$\frac{\text{Marriages of Brides in Specific Age Group}}{\text{Population of Females in Specific Age Group}} \times 1{,}000$

Oregon, 1985, Brides Aged 20-24 $= \frac{7{,}416}{111{,}398} \times 1{,}000 = 66.6$

---

16. DIVORCE RATE $= \frac{\text{Divorces}}{\text{Population}} \times 1{,}000$

Oregon, 1985 $= \frac{15{,}736}{2{,}675{,}800} \times 1{,}000 = 5.9$

CALCULATING CONFIDENCE INTERVALS FOR RATES

To determine the confidence interval for a rate, two numbers are needed : (1) the numerator (the number of events) and (2) the denominator. If the rate is an infant, neonatal, or post-nenatal mortality rate or a rate for a characteristic of births, the denominator is the number of births. Otherwise the denominator is a population figure. Use this formula:

$$\frac{1,000}{\text{denominator}} \left(\text{events} \pm 1.96\sqrt{\text{events}^{*}}\right) = \text{rate} \pm \text{confidence interval}$$

*NOTE: If comparing rates in which there are more than 100 events (for example deaths for ages over 65)

then $1.96\sqrt{\text{events}}$ should be replaced with: $1.96\sqrt{\text{events}\left(1-\left(\frac{\text{events}}{\text{denominator}}\right)\right)}$

Example: What is the confidence interval for Benton County's low birth weight infant rate for 1985?

In 1985, Benton County had 27 out of 892 babies that were born weighing less than 2,500 grams.

$$\text{Benton Confidence Interval} = \frac{1,000}{892}\left(27 \pm 1.96\sqrt{27}\right)$$

$$= 1.121 \quad (27 \pm 10.18)$$

$$= 30.27 \pm 11.41$$

We are 95 percent sure that the low-birth weight rate for Benton County is between 18.86 and 41.68.

DETERMINING STATISTICAL SIGNIFICANCE FOR RATES

To determine if the difference between two rates is significant use the confidence intervals for the rates in this formula:

$$\text{Difference between the two rates} \pm \sqrt{\text{1st Confidence Interval}^2 + \text{2nd Confidence Interval}^2}$$

If the interval obtained from this calculation does not include 0 then the difference is statistically significant at the 95 percent level.

Example: Is the difference between Benton County's low birth weight rate and the State rate statistically significant?

Based on the formula for confidence intervals:

Oregon low-birth weight rate is $50.50 + 2.20$
Benton low-birth weight rate is 30.27 ∓ 11.41

Using the formula for determining statistical significance:

$$(50.50 - 30.27) \pm \sqrt{2.20^2 + 11.41^2}$$

$$20.23 \pm \sqrt{4.84 + 130.19}$$

$$20.23 \pm \sqrt{135.03}$$

$$20.23 \pm 11.62$$

The interval is between 8.61 and 31.85. Since zero does not fall between these two numbers, the difference between the low-birth weight rates for Benton County and Oregon is statistically significant.

CALCULATING RATES ADJUSTED FOR SEX/AGE/RACE

When comparing rates and ratios, the influences of sex, age, and race differences in the populations must be taken into account. Comparing many different age-sex-race specific rates can be cumbersome. The following techniques are used by vital statisticians to summarize these rates into one number.

The direct adjusted rate applies each of the specific rates for a particular population (such as a county or an HSA) to a standard population distribution (such as the state).

The standard mortality ratio compares the number of deaths for a particular population (such as a county or an HSA) to the number of deaths which would be expected if some standard set of rates (such as the state or the U.S rates) had occurred.

Life expectancy assumes that a theoretical group of babies would experience each of the current specific death rates. The average life expectancy is the mean number of years lived by these babies.

Each of these techniques has its advantages and disadvantages. The easiest to calculate is the direct adjusted rate. The following example shows how to adjust a county's death rate for sex so that it may be compared to the state rate.

$$\frac{\dfrac{\text{county male deaths}}{\text{county male population}} \times \text{state male population} + \dfrac{\text{county female deaths}}{\text{county female population}} \times \text{state female population}}{\text{Total State Population}} \times 1{,}000$$

The same logic can be used to adjust for age and/or race.

REFERENCES

For further information about calculating confidence intervals and adjusting rates see:

National Center for Health Statistics: Infant Mortality, by J. C. Kleinman, *Statistical Notes for Health Planners*, No. 2. Health Resources Administration, Washington, D.C., July 1976.

National Center for Health Statistics: Mortality, by J. C. Kleinman, *Statistical Notes for Health Planners*, No. 3. Health Resources Administration, Washington, D.C., July 1977.

SYMBOLS USED IN THIS REPORT

QUANTITY IS ZERO IN FREQUENCY TABLES	-
RATE OR PERCENT IS LESS THAN OR EQUAL TO 0.05	0.0
DATA NOT AVAILABLE OR NOT APPLICABLE	---
INSUFFICIENT DATA FOR COMPUTATION	*

OTHER RECENT PUBLICATIONS
AVAILABLE FROM THE CENTER FOR HEALTH STATISTICS

OREGON VITAL STATISTICS COUNTY DATA, 1986

INDUCED TERMINATION OF PREGNANCY, 1986

OREGON DEATHS DUE TO DRUGS AND ALCOHOL, 1986

TEEN PREGNANCY, OREGON, 1985

TEEN PREGNANCY, COUNTY DETAIL, OREGON, 1985

THE FIRST AMERICANS:
A REVIEW OF THE BIRTHS AND DEATHS OF AMERICAN INDIANS IN OREGON

QUESTIONING THE PHYSICIAN:
A SURVEY OF CAUSE OF DEATH QUERY CRITERIA USED BY
CENTERS FOR HEALTH STATISTICS IN THE UNITED STATES AND
THE EFFICACY OF THE CRITERIA USED BY OREGON CENTER FOR HEALTH STATISTICS

MATERNAL AND INFANT HEALTH:
CHARACTERISTICS OF OREGON'S INDOCHINESE REFUGEES, 1984-1985

OREGON HEALTH TRENDS, Quarterly Newsletter
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October	1987	- Births by Month / Animal-Related Deaths / Shotgun Weddings

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ERRATA: OREGON VITAL STATISTICS; 1986

TABLE 7. DEATHS BY CITY OF RESIDENCE

COUNTY OF RESIDENCE	DEATHS	RATE
ALBANY	261	9.3
ASHLAND	112	7.1
BEAVERTON	272	7.8
BEND	158	8.5
COOS BAY	181	12.6
CORVALLIS	224	5.5
EUGENE	847	8.0
FOREST GROVE	135	11.3
GRANTS PASS	225	13.8
GRESHAM	310	7.3
HILLSBORO	228	7.5
KLAMATH FALLS	174	10.2
LAGRANDE	99	8.6
LAKE OSWEGO	155	6.0
LEBANON	126	12.4
MCMINNVILLE	152	9.8
MEDFORD	445	10.5
MILWAUKIE	240	13.6
NEWBERG	119	10.6
OREGON CITY	153	10.7
PENDLETON	126	8.7
PORTLAND	4,143	10.4
ROSEBURG	240	15.1
SALEM	1,056	11.3
SPRINGFIELD	357	8.8
THE DALLES	145	13.6
TIGARD	205	9.9
WEST LINN	68	5.2
WOODBURN	194	16.5

THIS TABLE REPLACES THE DEATH SECTION OF TABLE 7 IN THE ANNUAL REPORT.